

| TABLE 1 | | | | | | | Document Number 1650775 |
|---------|-----------------|------------------------|----------------|--|--|---|-------------------------|
| GLGC ID | Comparison Code | Nucleotide Sequence ID | GenBank Acc ID | Pathways | Known Gene Name | Unigene Cluster Title | |
| 154 | P,Q | 1712 | NM_022849 | | crp-ductin | Rattus norvegicus ebnerin mRNA, complete cds | |
| 155 | P | 1712 | NM_022849 | | crp-ductin | Rattus norvegicus ebnerin mRNA, complete cds | |
| 164 | H | 538 | AI010480 | Citrate cycle (TCA cycle), Glyoxylate and dicarboxylate metabolism, Pyruvate metabolism | Malate dehydrogenase 2, NAD (mitochondrial) | Rat mRNA for mitochondrial malate dehydrogenase (EC 1.1.1.37) | |
| 228 | D | 1452 | U20194 | | | Rattus norvegicus complement C8 beta (C8b) mRNA, partial cds | |
| 291 | O | 1538 | NM_012522 | Glycine, serine and threonine metabolism, Methionine metabolism, Selenoamino acid metabolism | Cystathionine beta synthase | Cystathionine beta synthase | |
| 330 | R | 1251 | AI235460 | | | Rattus norvegicus synapse-associated protein 102 mRNA, complete cds | |
| 347 | J | 1443 | U01914 | | | Rattus norvegicus AKAP95 mRNA, partial cds | |
| 351 | A | 1720 | NM_024127 | | HHs: growth arrest and DNA-damage-inducible, alpha | Rattus norvegicus GADD45 mRNA, complete cds | |
| 352 | A,J | 1720 | NM_024127 | | HHs: growth arrest and DNA-damage-inducible, alpha | Rattus norvegicus GADD45 mRNA, complete cds | |
| 353 | A,B,C,J | 1720 | NM_024127 | | HHs: growth arrest and DNA-damage-inducible, alpha | Rattus norvegicus GADD45 mRNA, complete cds | |
| 354 | A,J,Q | 1720 | NM_024127 | | HHs: growth arrest and DNA-damage-inducible, alpha | Rattus norvegicus GADD45 mRNA, complete cds | |

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| | | | | | CAMP responsive element modulator, transcriptional repressor CREM | CAMP responsive element modulator |
| 355 N | | 1600 | NM_013086 | | | CAMP responsive element modulator |
| 356 N | | 1658 | NM_017334 | | CAMP responsive element modulator | CAMP responsive element modulator |
| 360 R | | 1728 | NM_012894 | | RNA editing deaminase of glutamate receptors | RNA editing deaminase of glutamate receptors |
| 372 F,M | | 1482 | U94708 | | | Rattus norvegicus prostaglandin E receptor EP2 subtype mRNA, complete cds |
| 373 P | | 1578 | NM_012833 | | Canalicular multispecific organic anion transporter | Canalicular multispecific organic anion transporter |
| 384 O | | 1457 | U25137 | | | Rattus norvegicus alternatively spliced signal transducer and regulator of transcription 5a2 (STAT5a2) mRNA, partial cds |
| 396 M | | 1464 | U49694 | | Hsp:CYTOSOLIC ACYL COENZYME A THIOESTER HYDROLASE | Rattus norvegicus brain cytosolic acyl coenzyme A thioester hydrolase mRNA, complete cds |
| 397 S | | 1614 | NM_013214 | | acyl-CoA hydrolase | Rattus norvegicus brain cytosolic acyl coenzyme A thioester hydrolase mRNA, complete cds, acyl-CoA hydrolase |
| 402 N | | 1734 | NM_022403 | Tryptophan metabolism | HHs:tryptophan 2,3-dioxygenase | Rat tryptophan-2,3-dioxygenase mRNA, complete cds |
| 466 L | | 1517 | X81395 | | Hsp:LIVER CARBOXYLESTERASE 3 PRECURSOR | R.norvegicus mRNA for pl 5.5 esterase (ES-3) |

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| 475 F | | 1224 | AI233828 | | | ESTs, Moderately similar to LYOSOMAL ALPHA-MANNOSIDASE PRECURSOR [M.musculus] | | |
| 488 F | | 1350 | E00717 | Fatty acid metabolism, Tryptophan metabolism | Cytochrome P450, subfamily I (aromatic compound-inducible), member A1 (C6, form c) | Cytochrome P450, subfamily I (aromatic compound-inducible), member A1 (C6, form c) | | |
| 489 F | | 1540 | NM_012540 | Fatty acid metabolism, Tryptophan metabolism | Cytochrome P450, subfamily I (aromatic compound-inducible), member A1 (C6, form c) | Cytochrome P450, subfamily I (aromatic compound-inducible), member A1 (C6, form c) | | |
| 494 G | | 1581 | NM_012880 | | Superoxide dimutase 3 | Superoxide dimutase 3 | | |
| 498 C | | 402 | AA956278 | | | ESTs | | |
| 556 A,E | | 1575 | NM_012803 | | Protein C | Protein C | | |
| 563 M | | 1536 | NM_012516 | | Complement component 4 binding protein, alpha | Complement component 4 binding protein, alpha | | |
| 573 A | | 1169 | AI232087 | | | R.norvegicus mRNA for (S)-2-hydroxy acid oxidase | | |
| | | | | | | R.norvegicus mRNA for (S)-2-hydroxy acid oxidase,Rattus norvegicus clone BB.1.4.1 unknown Glu-Pro dipeptide repeat protein mRNA, complete cds,calpactin I heavy chain | | |
| 574 H,I | | 1682 | NM_019905 | | calpactin I heavy chain | ESTs | | |
| 633 A,G | | 1146 | AI231127 | | | ESTs | | |
| 634 P | | 1381 | K01932 | Glutathione metabolism | Hsp:GLUTATHIONE S-TRANSFERASE YC-1 | Rat liver glutathione S-transferase Yc subunit mRNA, complete cds | | |
| 635 P | | 1515 | X78848 | | | Rat liver glutathione S-transferase Yc subunit mRNA, complete cds | | |
| 650 J | | 1607 | NM_013134 | Sterol biosynthesis | 3-hydroxy-3-methylglutaryl-Coenzyme A reductase | 3-hydroxy-3-methylglutaryl-Coenzyme A reductase | | |

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| 651 J | | 1607 | NM_013134 | Sterol biosynthesis | 3-hydroxy-3-methylglutaryl-Coenzyme A reductase | 3-hydroxy-3-methylglutaryl-Coenzyme A reductase |
| 671 B | | 1445 | U04808 | | | Rattus norvegicus Sprague-Dawley putative G-protein coupled receptor (GCR) mRNA, complete cds |
| 672 O | | 1492 | X13722 | | Low density lipoprotein receptor | Rat mRNA for LDL-receptor |
| 682 P | | 1627 | NM_017051 | | Superoxide dimutase 2, mitochondrial | Superoxide dimutase 2, mitochondrial |
| 699 M,P | | 1465 | U55765 | | | Rattus norvegicus RASP1 mRNA, complete cds |
| 729 O | | 1429 | M95762 | | | Rattus norvegicus GABA transporter GAT-2 mRNA, complete cds |
| 761 A | | 41 | AA817685 | | | Rattus norvegicus mRNA for cytochrome b5 |
| 794 A,D,E,G | | 1472 | U68168 | Tryptophan metabolism | HHs:kynureninase (L-kynurenine hydrolase) | Rattus norvegicus L-kynurenine hydrolase mRNA, complete cds |
| 809 J | | 1451 | U17035 | | | Rattus norvegicus interferon inducible protein 10 (IP-10) mRNA, complete cds |
| 811 A | | 1342 | D63704 | Pantothenate and CoA biosynthesis, Pyrimidine metabolism, beta-Alanine metabolism | HHs:dihydropyrimidinase | Rat mRNA for dihydropyrimidinase, complete cds |
| 812 A | | 1342 | D63704 | Pantothenate and CoA biosynthesis, Pyrimidine metabolism, beta-Alanine metabolism | HHs:dihydropyrimidinase | EST, Highly similar to DPYS_RAT DIHYDROPYRIMIDINASE [R.norvegicus], Rat mRNA for dihydropyrimidinase, complete cds |

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| 1126 A,I | | 1143 | AI231007 | | | Rattus norvegicus cca1 mRNA, complete cds | |
| 1141 E,Q | | 1505 | X59601 | | | Rat mRNA for plectin | |
| 1169 E,H | | 1008 | AI177161 | | | Rattus norvegicus NF-E2-related factor 2 mRNA, complete cds | |
| 1173 A | | 1661 | NM_019184 | Fatty acid metabolism, Tryptophan metabolism | Cytochrome P450, subfamily IIC (mephenytoin 4-hydroxylase) | Cytochrome P450, subfamily IIC (mephenytoin 4-hydroxylase) | |
| 1174 N | | 1661 | NM_019184 | Fatty acid metabolism, Tryptophan metabolism | Cytochrome P450, subfamily IIC (mephenytoin 4-hydroxylase) | Cytochrome P450, subfamily IIC (mephenytoin 4-hydroxylase) | |
| 1175 A,E,M | | 1661 | NM_019184 | Fatty acid metabolism, Tryptophan metabolism | Cytochrome P450, subfamily IIC (mephenytoin 4-hydroxylase) | Cytochrome P450, subfamily IIC (mephenytoin 4-hydroxylase) | |
| | | | | | Hsp:DUAL SPECIFICITY PROTEIN PHOSPHATASE 5 | Rattus norvegicus MAP-kinase phosphatase (cpg21) mRNA, complete cds | |
| 1183 J | | 485 | AF013144 | | | Rattus norvegicus mRNA for gro, complete cds | |
| 1221 B,F,Q | | 1326 | D11445 | | | Rat cystatin S (CysS) gene, complete cds | |
| 1223 E | | 1423 | M75281 | | | Guanylate cyclase, soluble, beta 2 (GTP pyrophosphate - lyase) | |
| 1246 A | | 1569 | NM_012770 | Purine metabolism | Hemopoietic cell tyrosine kinase | Hemopoietic cell tyrosine kinase | |
| 1258 I | | 1611 | NM_013185 | | | Rat clathrin-associated adaptor protein homolog (p47A) mRNA, complete cds | |
| 1271 Q | | 1384 | L07073 | | | Rattus norvegicus zonula occludens 2 protein (ZO-2) mRNA, partial cds | |
| 1279 F | | 1477 | U75916 | | | choline kinase | |
| 1305 J | | 1636 | NM_017127 | Glycerolipid metabolism | choline kinase | choline kinase | |
| 1306 J | | 1636 | NM_017127 | Glycerolipid metabolism | choline kinase | Rattus norvegicus GTP-binding protein (rab 3C) mRNA, complete cds | |
| 1394 G | | 1461 | U37099 | | | | |

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| 1507 | B,Q | 1105 | AI229235 | | | ESTs | | |
| 1510 | Q | 1646 | NM_017224 | | organic cationic transporter-like 1 | organic cationic transporter-like 1 | | |
| 1514 | B | 1559 | NM_012678 | | Tropomyosin 4 | Tropomyosin 4 | | |
| 1520 | H | 1659 | NM_019165 | | interleukin 18 | interleukin 18 | | |
| 1521 | B,Q | 1601 | NM_013091 | | Tumor necrosis factor receptor | Tumor necrosis factor receptor | | |
| 1529 | A,G | 1599 | NM_013082 | | Ryudocan/syndecan 2 | Ryudocan/syndecan 2 | | |
| | | | | Bile acid biosynthesis, Taurine and hypotaurine metabolism | | | | |
| 1531 | A | 1655 | NM_017300 | | bile acid-Coenzyme A dehydrogenase: amino acid n-acyltransferase | bile acid-Coenzyme A dehydrogenase: amino acid n-acyltransferase | | |
| | | | | | | | | |
| 1538 | E | 493 | AF039890 | | Leucine arylaminopeptidase 1 | Rat kidney Zn-peptidase aminopeptidase N mRNA, complete cds | | |
| 1542 | G,H | 1643 | NM_017193 | | kynurenine aminotransferase II | kynurenine aminotransferase II | | |
| | | | | Glycine, serine and threonine metabolism | | | | |
| 1551 | K | 1633 | NM_017084 | | Glycine methyltransferase | Glycine methyltransferase | | |
| 1554 | I | 625 | AI045440 | | Sialophorin (gpL115, leukosianin, CD43) | Sialophorin (gpL115, leukosianin, CD43) | | |
| 1561 | A,M,O | 1621 | NM_016995 | | Complement component 4 binding protein, beta | Complement component 4 binding protein, beta | | |
| 1562 | F,G | 267 | AA893552 | | | Rattus norvegicus kallistatin mRNA, complete cds | | |
| 1571 | I | 1446 | U05014 | | | Rattus norvegicus Sprague/Dawley PHAS-I mRNA, complete cds | | |
| 1572 | Q | 1046 | AI178828 | | | Rattus norvegicus Sprague/Dawley PHAS-I mRNA, complete cds | | |
| | | | | | | Rat small nuclear ribonucleoparticle-associated protein (snRNP) mRNA, complete cds, clone Sm51 | | |
| 1579 | R | 1512 | X73411 | | | | | |

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| 1583 A | | 1448 | U07201 | Alanine and aspartate metabolism, Nitrogen metabolism | Asparagine synthetase | Asparagine synthetase | |
| 1598 C,J | | 1722 | NM_024134 | | DNA-damage inducible transcript 3 | Rattus norvegicus GADD153 mRNA, complete cds | |
| 1610 C | | 1703 | NM_022509 | | | Rattus norvegicus survival motor neuron (smn) mRNA, complete cds | |
| 1625 I | | 1588 | NM_012924 | | Cell surface glycoprotein CD44 (hyaluronate binding protein) | Cell surface glycoprotein CD44 (hyaluronate binding protein) | |
| 1641 E | | 1354 | E03428 | | Peptidylglycine alpha-amidating monooxygenase | Peptidylglycine alpha-amidating monooxygenase | |
| 1644 G | | 208 | AA891068 | | Peptidylglycine alpha-amidating monooxygenase | Peptidylglycine alpha-amidating monooxygenase | |
| 1653 G | | 1222 | AI233806 | | Peptidylglycine alpha-amidating monooxygenase | Peptidylglycine alpha-amidating monooxygenase | |
| | | | | Inositol phosphate metabolism | HHs:inositol polyphosphate-4-phosphatase, type I, 107kD | Rattus norvegicus inositol polyphosphate 4-phosphatase mRNA, complete cds | |
| 1661 B,E | | 1459 | U26397 | | | ESTs, Highly similar to MEK binding partner 1 [M.musculus] | |
| 1690 A,E | | 46 | AA817829 | | | ESTs, Highly similar to TBB1_RAT TUBULIN BETA CHAIN [R.norvegicus],Rat mRNA for beta-tubulin T beta15 | |
| 1700 P | | 1486 | X03369 | | tubulin, beta 2 | Rattus norvegicus zinc finger protein mRNA, complete cds | |
| 1727 C,J | | 482 | AF001417 | | | | |

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| | | | | Bile acid biosynthesis, Fatty acid biosynthesis (path 2), Fatty acid metabolism, Phenylalanine metabolism, Valine, leucine and isoleucine degradation | HHs:hydroxyacyl-Coenzyme A dehydrogenase/3-ketoacyl-Coenzyme A thiolase/enoyl-Coenzyme A hydratase (trifunctional protein), beta subunit | Rat mRNA for mitochondrial long-chain 3 ketoacyl-CoA thiolase beta-subunit of mitochondrial trifunctional protein, complete dds | |
| 1728 | E,S | 1332 | D16479 | | GTP-binding protein | GTP-binding protein | |
| 1749 | K | 1657 | NM_017327 | | HHs:cytochrome P450, subfamily IVF, polypeptide 2 | Rattus norvegicus cytochrome P450 4F6 (CYP4F6) mRNA, complete cds | |
| 1753 | A | 1462 | U39208 | Prostaglandin and leukotriene metabolism | Calcium channel alpha 1A | Calcium channel alpha 1A | |
| 1777 | P | 1586 | NM_012918 | | Cytochrome P450, subfamily IIIA, polypeptide 3 | Cytochrome P450, subfamily IIIA, polypeptide 3 | |
| 1795 | B,K,Q | 1392 | L24207 | | Cytochrome P450, subfamily IIIA, polypeptide 3 | Cytochrome P450, subfamily IIIA, polypeptide 3 | |
| 1796 | B,K | 1392 | L24207 | | | | |
| 1802 | H | 47 | AA817841 | | | ESTs | |
| | | | | | | Rattus rattus guanine nucleotide-releasing protein (mss4) mRNA, complete cds | |
| 1805 | N | 508 | AI007824 | | | Rat mRNA for alpha-2u globulin-related protein | |
| 1809 | F | 391 | AA946503 | | Protein-tyrosine phosphatase | Protein-tyrosine phosphatase | |
| 1841 | C,N | 1555 | NM_012637 | | Protein-tyrosine phosphatase | Protein-tyrosine phosphatase | |
| 1843 | N,Q | 1555 | NM_012637 | | Protein-tyrosine phosphatase | ESTs,Protein-tyrosine phosphatase | |
| 1844 | A,N | 1555 | NM_012637 | | K-kininogen, differential splicing leads to HMW Kngk, T-kininogen | K-kininogen, differential splicing leads to HMW Kngk, T-kininogen | |
| 1854 | M | 1382 | K02814 | | | | |

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| 1858 S | | 1524 | Y09333 | | acyl-CoA thioesterase 1, cytosolic | R.norvegicus mRNA for mitochondrial very-long-chain acyl-CoA thioesterase,Rattus norvegicus mRNA for acyl-CoA hydrolase, complete cds | |
| 1877 A | | 1513 | X74593 | Fructose and mannose metabolism | Sorbitol dehydrogenase | Sorbitol dehydrogenase | |
| 1884 L | | 1340 | D50695 | | | Rattus norvegicus mRNA for proteasomal ATPase (Tat-binding protein7), complete cds | |
| | | | | Glycerolipid metabolism, Phospholipid degradation, Prostaglandin and leukotriene metabolism | | Rattus norvegicus mRNA for phospholipase A2, group IIA (platelets, synovial fluid) | |
| 1893 P | | 1495 | X51529 | | | ESTs | |
| 1900 A,B,L | | 48 | AA817849 | | | ESTs | |
| 1901 L | | 48 | AA817849 | | | ESTs | |
| 1903 L | | 1013 | AI177377 | | | ESTs | |
| 1919 H | | 815 | AI137856 | | P450 (cytochrome) oxidoreductase | Rat NADPH-cytochrome P-450 oxidoreductase mRNA, complete cds | |
| 1920 H | | 1397 | M10068 | | P450 (cytochrome) oxidoreductase | Rat NADPH-cytochrome P-450 oxidoreductase mRNA, complete cds | |
| 1921 H | | 1351 | E01524 | | P450 (cytochrome) oxidoreductase | Rat NADPH-cytochrome P-450 oxidoreductase mRNA, complete cds | |
| | | | | | Hsp:[PYRUVATE DEHYDROGENASE(LIPOAMIDE)] KINASE ISOZYME 2, MITOCHONDRIAL PRECURSOR | Rattus norvegicus pyruvate dehydrogenase kinase 2 subunit p45 (PDK2) mRNA, complete cds | |
| 1929 A | | 1449 | U10357 | | | Rattus norvegicus pyruvate dehydrogenase kinase 2 subunit p45 (PDK2) mRNA, complete cds | |
| 1930 L | | 410 | AA957202 | | | Rattus norvegicus pyruvate dehydrogenase kinase 2 subunit p45 (PDK2) mRNA, complete cds | |

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| 1957 K | | 1628 | NM_017060 | | Hras-revertant gene 107 | Hras-revertant gene 107 | |
| 1995 N | | 492 | AF038870 | Glycine, serine and threonine metabolism, Methionine metabolism | HMM:betaine-homocysteine methyltransferase | Rattus norvegicus betaine homocysteine methyltransferase (BHMT) mRNA, complete cds | |
| 2006 E | | 1716 | NM_022936 | | | R.norvegicus mRNA for cytosolic epoxide hydrolase | |
| 2011 P | | 1610 | NM_013173 | | Solute carrier family 11 member 2 (natural resistance-associated macrophage protein 2) | Solute carrier family 11 member 2 (natural resistance-associated macrophage protein 2) | |
| 2012 P | | 1610 | NM_013173 | | Solute carrier family 11 member 2 (natural resistance-associated macrophage protein 2) | Solute carrier family 11 member 2 (natural resistance-associated macrophage protein 2) | |
| 2013 P | | 1610 | NM_013173 | | Solute carrier family 11 member 2 (natural resistance-associated macrophage protein 2) | Solute carrier family 11 member 2 (natural resistance-associated macrophage protein 2) | |
| 2042 Q,R | | 721 | AI101921 | | | ESTs | |
| 2043 E,H | | 1125 | AI230171 | | | ESTs | |
| 2049 J | | 417 | AA963369 | | | ESTs | |
| 2051 S | | 418 | AA963372 | | | ESTs | |
| 2065 I | | 1084 | AI227769 | | | ESTs | |
| 2101 R | | 565 | AI013667 | | | ESTs | |
| 2111 A | | 750 | AI103550 | | | Rattus norvegicus CDK102 mRNA | |
| 2113 S | | 423 | AA964275 | | | ESTs, Weakly similar to AF077030_1 hypothetical 43.2 kDa protein [H.sapiens] | |
| 2117 R | | 324 | AA925961 | | | Rattus norvegicus Na-K-Cl cotransporter (Nkcc1) mRNA, complete cds | |
| 2153 E | | 1475 | U75404 | | | ESTs | |

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| 2154 R | | 1223 | AI233818 | | | ESTs | |
| 2164 A | | 781 | AI111413 | | | ESTs | |
| 2190 S | | 420 | AA964004 | | | ESTs | |
| 2196 A | | 776 | AI105243 | | | ESTs | |
| 2216 R | | 912 | AI171745 | | | ESTs | |
| 2264 A | | 821 | AI144741 | | | EST | |
| 2280 H | | 421 | AA964139 | | | ESTs | |
| 2292 E | | 714 | AI101362 | | | ESTs | |
| 2310 M | | 587 | AI029969 | | | ESTs | |
| | | | | | | ESTs, Highly similar to CA14_MOUSE COLLAGEN ALPHA 1(IV) CHAIN PRECURSOR [M.musculus] | |
| 2326 L | | 432 | AA964892 | | | ESTs | |
| 2335 A | | 424 | AA964302 | | | ESTs | |
| 2339 E | | 1162 | AI231798 | | | EST | |
| 2342 E | | 425 | AA964336 | | | ESTs, Highly similar to TGT_HUMAN QUEUINE TRNA-RIBOSYLTRANSFERASE [H.sapiens] | |
| 2350 D | | 426 | AA964368 | | | ESTs, Highly similar to hypothetical protein [H.sapiens] | |
| 2354 L | | 454 | AA997763 | | | ESTs, Highly similar to JU0227 protein-tyrosine kinase [M.musculus] | |
| 2359 N | | 998 | AI177029 | | | Rattus norvegicus MG87 mRNA, complete cds | |
| 2368 N | | 504 | AF095741 | | | ESTs | |
| 2372 A,L | | 1130 | AI230373 | | | ESTs | |
| 2373 O | | 428 | AA964455 | | | ESTs | |
| 2383 A,E | | 429 | AA964514 | | | EST | |
| 2457 S | | 431 | AA964752 | | | ESTs | |
| 2484 A,O | | 761 | AI104675 | | | ESTs | |

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| 2505 | A,G | 1549 | NM_012597 | Glycerolipid metabolism | Lipase, hepatic | Lipase, hepatic | | |
| 2506 | E | 524 | AI009341 | | | ESTs | | |
| 2532 | A | 975 | AI176590 | | | ESTs | | |
| 2536 | A | 978 | AI176616 | | | ESTs | | |
| 2555 | B,C,Q | 1590 | NM_012967 | | Intercellular adhesion molecule 1 | Intercellular adhesion molecule 1 | | |
| 2569 | A,C,F,K,R | 435 | AA965122 | | | ESTs | | |
| 2576 | A | 226 | AA891884 | | | ESTs | | |
| 2587 | G | 1170 | AI232103 | | | ESTs | | |
| 2594 | L | 1241 | AI234843 | | | ESTs, Moderately similar to Similarity to Yeast LPG22P protein [C.elegans] | | |
| 2615 | C,J | 1109 | AI229318 | | | ESTs | | |
| 2628 | J | 1551 | NM_012603 | | Avian myelocytomatosis viral (v-myc) oncogene homolog | Avian myelocytomatosis viral (v-myc) oncogene homolog | | |
| 2629 | J | 1551 | NM_012603 | | Avian myelocytomatosis viral (v-myc) oncogene homolog | Avian myelocytomatosis viral (v-myc) oncogene homolog | | |
| 2655 | B,N,Q | 343 | AA943886 | | | Rattus norvegicus protein kinase SNK (Snk) mRNA, complete cds | | |
| 2667 | G | 1568 | NM_012766 | | Tocopherol transfer protein alpha | Tocopherol transfer protein alpha | | |
| 2691 | R | 434 | AA965075 | | | ESTs | | |
| 2696 | A | 1737 | NM_022515 | | | R.norvegicus (Sprague Dawley) mRNA for ribosomal protein L24 | | |
| 2727 | H | 252 | AA892918 | | | ESTs | | |
| 2736 | Q | 1537 | NM_012519 | | Ca++/calmodulin-dependent protein kinase II, delta subunit | Ca++/calmodulin-dependent protein kinase II, delta subunit | | |
| 2744 | I | 1347 | D87991 | | | ESTs, Highly similar to UGTrel1 [M.musculus] | | |
| 2757 | L | 456 | AA997851 | | | ESTs | | |
| 2762 | A | 350 | AA944165 | | | ESTs, Highly similar to C10 [M.musculus] | | |

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| 2763 E | | 1173 | AI232269 | | | ESTs | |
| 2781 I | | 50 | AA817925 | | | ESTs | |
| 2788 J | | 939 | AI175513 | | | Rattus norvegicus mRNA for phocein protein | |
| 2799 A | | 568 | AI013778 | | | ESTs | |
| 2801 F | | 1345 | D85435 | | | Rattus norvegicus mRNA for protein kinase C delta-binding protein, complete cds | |
| 2802 F | | 1345 | D85435 | | | Rattus norvegicus mRNA for protein kinase C delta-binding protein, complete cds | |
| 2803 L | | 437 | AA996451 | | | ESTs | |
| 2813 S | | 365 | AA945052 | Butanoate metabolism, Synthesis and degradation of ketone bodies, Valine, leucine and isoleucine degradation | Hm:3-hydroxy-3-methylglutaryl-Coenzyme A lyase | R.norvegicus mRNA for 3-hydroxy-3-methylglutaryl CoA lyase | |
| 2818 C,D,F | | 1055 | AI179144 | | | | |
| 2838 D | | 655 | AI070511 | | | | |
| 2853 I | | 1579 | NM_012838 | | | | |
| 2854 I | | 1579 | NM_012838 | | Cystatin beta | Cystatin beta | |
| 2868 E | | 1171 | AI232209 | | | ESTs | |
| 2897 C,D | | 51 | AA818039 | | | ESTs | |
| 2901 A | | 603 | AI043752 | | | ESTs | |
| 2905 A,B | | 438 | AA996727 | | | ESTs | |
| 2911 A | | 597 | AI030835 | | | ESTs | |
| 2915 R | | 439 | AA996782 | | | ESTs | |
| 2932 R | | 1204 | AI233288 | | | ESTs | |

| TABLE 1 | | | | | | Document Number 1650775 | |
|------------|-----------------|------------------------|-----------------|--|---|---|--|
| GLGC ID | Comparison Code | Nucleotide Sequence ID | GenBank Acc. ID | Pathways | Known Gene Name | Unigene Cluster Title | |
| 2933 E | | 1665 | NM_019204 | | | ESTs, Highly similar to beta-site APP cleaving enzyme [R.norvegicus] | |
| 2938 C | | 440 | AA996883 | | | ESTs | |
| 2993 A | | 971 | AI176492 | | | ESTs, Highly similar to AF188297_1 TGF-beta receptor binding protein [M.musculus] | |
| 3023 G | | 885 | AI170795 | | | ESTs | |
| 3062 D | | 468 | AA998857 | | | EST, Weakly similar to CBPB_RAT CARBOXYPEPTIDASE B | |
| 3073 A,E,O | | 1213 | AI233494 | | | PRECURSOR [R.norvegicus] | |
| 3074 A,E,O | | 1213 | AI233494 | | | ESTs | |
| 3075 A,O | | 1213 | AI233494 | | | ESTs | |
| 3080 H | | 242 | AA892553 | | HHs:signal transducer and activator of transcription 1, 91kD | Rattus norvegicus signal transducer and activator of transcription 1 (Stat1) mRNA, complete cds | |
| 3091 E | | 1260 | AI236027 | | | ESTs | |
| 3099 S | | 1113 | AI229680 | Oxidative phosphorylation, Ubiquinone biosynthesis | HHs:NADH dehydrogenase (ubiquinone) Fe-S protein 3 (30kD) (NADH-coenzyme Q reductase) | ESTs, Highly similar to NADH:ubiquinone oxidoreductase NDUF3 subunit [H.sapiens] | |
| 3121 A,B,E | | 510 | AI008160 | | | ESTs, Moderately similar to AF151841_1 CGI-83 protein [H.sapiens] | |
| 3131 A | | 256 | AA893032 | | | ESTs | |
| 3138 I | | 1047 | AI178850 | | | ESTs | |
| 3139 J | | 540 | AI010618 | | | ESTs | |
| 3143 E,H | | 1180 | AI232408 | | | ESTs | |
| 3145 A | | 444 | AA997237 | | | EST | |
| 3175 S | | 447 | AA997414 | | | ESTs | |

| TABLE 1 | | | | | | Document Number 1650775 | |
|------------|-----------------|------------------------|----------------|----------|---|--|--|
| GLGC ID | Comparison Code | Nucleotide Sequence ID | GenBank Acc ID | Pathways | Known Gene Name | Unigene Cluster Title | |
| 3189 A | | 448 | AA997438 | | | ESTs, Moderately similar to LDL receptor member LR3 [M.musculus] | |
| 3203 C | | 1624 | NM_017039 | | Protein phosphatase 2 (formerly 2A), catalytic subunit, alpha isoform | Protein phosphatase 2 (formerly 2A), catalytic subunit, alpha isoform | |
| 3207 A | | 449 | AA997466 | | | ESTs | |
| 3219 E | | 767 | AI105065 | | | ESTs, Highly similar to PNAD_MOUSE PROTEIN N-TERMINAL ASPARAGINE AMIDOHYDROLASE [M.musculus] | |
| 3233 L | | 53 | AA818105 | | | ESTs, Moderately similar to Unknown gene product [H.sapiens] | |
| 3250 M | | 455 | AA997765 | | | Rattus norvegicus fibrillin-1 mRNA, complete cds | |
| 3253 F | | 1652 | NM_017282 | | proteasome (prosome, macropain) subunit, alpha type 5 | proteasome (prosome, macropain) subunit, alpha type 5 | |
| 3260 S | | 571 | AI013875 | | | ESTs | |
| 3266 L | | 915 | AI171948 | | | ESTs | |
| 3279 S | | 747 | AI103224 | | | ESTs, Weakly similar to putative short-chain dehydrogenase/reductase [R.norvegicus] | |
| 3280 C | | 1083 | AI227699 | | | ESTs | |
| 3292 M,N | | 1325 | D00753 | | | Rat mRNA for contrapsin-like protease inhibitor related protein (CPI-26) | |
| 3365 A,B | | 518 | AI008919 | | | ESTs | |
| 3381 K | | 254 | AA892993 | | | ESTs | |
| 3418 A,C,D | | 936 | AI175475 | | | ESTs, Highly similar to NHPX_RAT NHP2/RS6 FAMILY PROTEIN YEL026W HOMOLOG [R.norvegicus] | |
| 3430 J | | 1441 | S85184 | | Cathepsin L | Cathepsin L | |

| TABLE 1 | | | | | | | Document Number 1650775 | |
|---------|-----------------|------------------------|----------------|-------------------------|-----------------------------|--|-------------------------|--|
| GLGC ID | Comparison Code | Nucleotide Sequence ID | GenBank Acc ID | Pathways | Known Gene Name | Unigene Cluster Title | | |
| 3439 | S | 255 | AA893000 | | | ESTs, Highly similar to KIAA0564 protein [H.sapiens] | | |
| 3452 | M,N | 452 | AA997721 | | | Rattus norvegicus orphan chemokine receptor mRNA, complete cds | | |
| 3486 | H | 869 | AI170313 | | | ESTs | | |
| 3504 | A,B | 760 | AI104659 | | | Rattus norvegicus mRNA for R-RCD1, complete cds | | |
| | | | | | | ESTs, Highly similar to ZO1_MOUSE TIGHT JUNCTION PROTEIN ZO-1 [M.musculus] | | |
| 3510 | K | 963 | AI176423 | | | choline/ethanolamine kinase | | |
| 3513 | S | 1639 | NM_017177 | Glycerolipid metabolism | choline/ethanolamine kinase | Rat signal peptidase mRNA, complete cds | | |
| 3549 | H,I | 1385 | L11319 | | | EST | | |
| 3558 | S | 463 | AA998461 | | | ESTs, Weakly similar to RET1_RAT RETINOL-BINDING PROTEIN I, CELLULAR [R.norvegicus] | | |
| 3570 | O | 464 | AA998510 | | | ESTs | | |
| 3587 | J | 1078 | AI180253 | | | | | |
| | | | | | | Rattus norvegicus gene for hepatocarcinogenesis-related transcription factor (HTF), complete cds | | |
| 3617 | N | 1259 | AI236021 | | | ESTs, Weakly similar to JC1450 fibroblast growth factor receptor 4 - rat [R.norvegicus] | | |
| 3626 | P | 950 | AI176031 | | | ESTs, Highly similar to Opa-interacting protein OIP2 [H.sapiens] | | |
| 3631 | S | 302 | AA924460 | | | ESTs | | |
| 3660 | B | 467 | AA998833 | | | EST | | |
| 3708 | M | 469 | AA999060 | | | | | |

| TABLE 1 | | | | | | | Document Number 1650775 |
|---------|-----------------|------------------------|----------------|--------------------------------|---------------------------------------|--|-------------------------|
| GLGC ID | Comparison Code | Nucleotide Sequence ID | GenBank Acc ID | Pathways | Known Gene Name | Unigene Cluster Title | |
| 3934 | A | 544 | AI011510 | | | ESTs | |
| | | | | | | ESTs, Highly similar to IF2B_HUMAN EUKARYOTIC TRANSLATION INITIATION FACTOR 2 BETA SUBUNIT [H.sapiens] | |
| 3959 | A | 292 | AA901338 | | | ESTs | |
| 3969 | A | 1001 | AI177055 | | | ESTs | |
| 3972 | Q | 300 | AA924307 | | | ESTs | |
| 3976 | E | 61 | AA818264 | | | ESTs, Weakly similar to similar to GTPase-activating proteins [H.sapiens] | |
| 3981 | A | 554 | AI012235 | | | ESTs | |
| 3995 | A | 545 | AI011678 | | | ESTs | |
| 4017 | A | 63 | AA818287 | | | ESTs | |
| 4026 | B,Q | 1225 | AI233835 | | | ESTs | |
| 4048 | I | 139 | AA851814 | | | Rattus norvegicus osteoactivin mRNA, complete cds | |
| 4049 | I | 784 | AI112012 | | | Rattus norvegicus osteoactivin mRNA, complete cds | |
| 4082 | O | 624 | AI045256 | | | ESTs | |
| 4084 | A | 512 | AI008504 | | | ESTs | |
| | | | | Glycolysis/ Gluconeogenesis | | R.norvegicus phosphoglycerate mutase B isozyme (PGAM) mRNA, complete cds | |
| 4092 | L | 1095 | AI228723 | | HHs:phosphoglycerate mutase 1 (brain) | ESTs | |
| 4097 | I | 1037 | AI178635 | | | ESTs | |
| 4119 | J | 720 | AI101901 | | | ESTs | |
| 4127 | H | 1057 | AI179206 | | | ESTs | |
| 4143 | A | 786 | AI112107 | | | ESTs | |
| 4157 | E | 525 | AI009481 | | | ESTs, Weakly similar to putative [C.elegans] | |
| 4168 | E | 527 | AI009654 | | | ESTs | |

| TABLE 1 | | | | | | | Document Number 1650775 |
|------------------|-----------------|------------------------|----------------|----------|--|--|-------------------------|
| GLGC ID | Comparison Code | Nucleotide Sequence ID | GenBank Acc ID | Pathways | Known Gene Name | Unigene Cluster Title | |
| 4178 I | | 170 | AA859536 | | | ESTs | |
| 4179 A,C,E,R | | 1132 | AI230431 | | | ESTs | |
| 4193 A,C,D,E,F,I | | 923 | AI172274 | | | ESTs, Weakly similar to I37195 AU-specific RNA-binding protein / enoyl-CoA hydratase [H.sapiens] | |
| 4199 G | | 1425 | M83143 | | Sialyltransferase 1 (beta-galactoside alpha-2,6-sialyltransferase) | Rat beta-galactoside-alpha 2,6-sialyltransferase mRNA | |
| 4207 F | | 371 | AA945591 | | | ESTs, Weakly similar to JC5105 stromal cell-derived factor 2 - mouse [M.musculus] | |
| 4224 G | | 1415 | M31322 | | | Rat sperm membrane protein (YWK-II) mRNA, 3' end | |
| 4231 R | | 1159 | AI231763 | | | Rattus norvegicus late gestation lung 2 protein (Lgl2) mRNA, complete cds | |
| 4234 H | | 1685 | NM_021577 | | | Rattus norvegicus mRNA for AIF-C1, complete cds | |
| 4250 B | | 76 | AA818700 | | | ESTs | |
| 4271 S | | 321 | AA925603 | | | ESTs, Moderately similar to AF153605_1 androgen induced protein [H.sapiens] | |
| 4272 S | | 1152 | AI231309 | | | ESTs, Moderately similar to AF153605_1 androgen induced protein [H.sapiens] | |
| 4281 A,G | | 1663 | NM_019192 | | selenoprotein P, plasma, 1 | selenoprotein P, plasma, 1 | |
| 4290 S | | 1323 | AJ224120 | | | Rattus norvegicus peroxisomal membrane protein Pmp26p (Peroxin-11) | |
| 4291 A,H | | 79 | AA818741 | | | ESTs | |

| TABLE 1 | | | | | | | Document Number 1650775 | |
|---------|-----------------|------------------------|-----------------|--|-----------------|--|-------------------------|--|
| GLGC ID | Comparison Code | Nucleotide Sequence ID | GenBank Acc. ID | Pathways | Known Gene Name | UniGene Cluster Title | | |
| | | | | | | Rattus norvegicus mRNA for carboxylesterase precursor, complete cds | | |
| 4312 | K | 480 | AB010635 | | | Rattus norvegicus bile salt export pump (spgp) mRNA, complete cds | | |
| 4314 | G,M | 483 | AF010597 | | | Rattus norvegicus mRNA for endothelial receptor for oxidized low-density lipoprotein, complete cds | | |
| 4318 | F | 474 | AB005900 | | | Rattus norvegicus nuclear RNA helicase mRNA, complete cds | | |
| 4327 | I | 498 | AF063447 | | | Rattus norvegicus stromal cell-derived factor-1 gamma mRNA, complete cds | | |
| 4330 | A,C,D,E | 80 | AA818747 | | | Rattus norvegicus mRNA for norepinephrine transporter b (rNETb), complete cds | | |
| 4348 | E | 874 | AI170447 | | | ESTs | | |
| 4360 | A | 1358 | H31813 | | | ESTs | | |
| 4371 | E | 295 | AA924196 | | | ESTs | | |
| 4426 | I | 3 | AA685974 | | | ESTs | | |
| 4438 | S | 2 | AA684919 | | | ESTs | | |
| 4440 | A,O | 1189 | AI232643 | | | ESTs | | |
| 4473 | A | 229 | AA891965 | | | Rattus norvegicus DOC-2 p59 isoform mRNA, complete cds | | |
| 4504 | Q | 1725 | NM_024159 | | | ESTs, Moderately similar to NADH-ubiquinone oxidoreductase subunit Cl-B8 [H.sapiens] | | |
| 4520 | O | 751 | AI103694 | Oxidative phosphorylation, Ubiquinone biosynthesis | | ESTs | | |
| 4553 | A,C | 999 | AI177038 | | | ESTs | | |
| 4576 | K | 1049 | AI178872 | | | ESTs | | |

| TABLE 1 | | | | | | | Document Number 1650775 |
|------------|-----------------|------------------------|----------------|----------|--|--|-------------------------|
| GLGC ID | Comparison Code | Nucleotide Sequence ID | GenBank Acc ID | Pathways | Known Gene Name | Unigene Cluster Title | |
| 4588 K | | 477 | AB009636 | | | Rattus norvegicus mRNA for phosphoinositide 3-kinase, complete cds | |
| 4592 C,D | | 1680 | NM_019356 | | eukaryotic translation initiation factor 2, subunit 1 (alpha) | eukaryotic translation initiation factor 2, subunit 1 (alpha) | |
| 4610 E | | 1075 | AI179991 | | | ESTs | |
| 4650 G | | 718 | AI101582 | | | ESTs | |
| 4670 A,N | | 1217 | AI233714 | | | ESTs | |
| 4674 O | | 279 | AA899847 | | | EST | |
| | | | | | | ESTs, Highly similar to IRF3_MOUSE INTERFERON REGULATORY FACTOR 3 [M.musculus] | |
| 4679 L | | 585 | AI029847 | | | ESTs | |
| 4719 A | | 1087 | AI228265 | | | ESTs | |
| 4725 L | | 282 | AA900290 | | | ESTs | |
| 4759 E | | 285 | AA900553 | | | ESTs | |
| 4781 C,D | | 1228 | AI233925 | | | ESTs | |
| 4856 I | | 752 | AI103708 | | | ESTs | |
| 4868 A | | 882 | AI170763 | | | ESTs | |
| 4892 P | | 611 | AI044292 | | | ESTs | |
| 4914 A | | 785 | AI112086 | | | ESTs | |
| 4929 E | | 296 | AA924236 | | | EST | |
| | | | | | | ESTs, Moderately similar to unknown [H.sapiens] | |
| 4931 S | | 297 | AA924261 | | | EST | |
| 4933 A,E,P | | 299 | AA924301 | | | ESTs | |
| 4937 A,L | | 1294 | AI237189 | | | Rattus norvegicus rap7a mRNA, complete cds | |
| 4940 S | | 1738 | NM_022526 | | | | |

| Document Number 1650775 | | | | | |
|-------------------------|-----------------|------------------------|----------------|--|----------------------------------|
| GLGC ID | Comparison Code | Nucleotide Sequence ID | GenBank Acc ID | Pathways | Known Gene Name |
| | | | | | Unigene Cluster Title |
| 4944 | A,F | 301 | AA924405 | | ESTs, Moderately similar to |
| 4951 | A | 519 | AI009026 | | NO56_HUMAN NUCLEOLAR PROTEIN |
| 4952 | C,J | 86 | AA818907 | | NO56 [H.sapiens] |
| | | | | | ESTs |
| | | | | | ESTs |
| | | | | | ESTs, Moderately similar to |
| | | | | | megakaryocyte stimulating factor |
| | | | | | [H.sapiens] |
| 4969 | M | 795 | AI113008 | | ESTs |
| 5008 | A,C | 88 | AA818921 | | EST |
| 5018 | L | 306 | AA924767 | | ESTs, Weakly similar to MRJ |
| 5020 | E | 307 | AA924768 | | [M.musculus] |
| 5027 | A | 308 | AA924793 | | ESTs |
| 5038 | E | 846 | AI169239 | | ESTs |
| 5046 | A,L | 1303 | AI237855 | | ESTs |
| | | | | | ESTs, Weakly similar to TTHY_RAT |
| | | | | | TRANSTHYRETIN PRECURSOR |
| | | | | | [R.norvegicus] |
| 5052 | R | 1270 | AI236302 | | ESTs |
| 5059 | Q | 1288 | AI236947 | | ESTs |
| 5091 | E | 699 | AI073092 | | ESTs |
| 5110 | E,M | 317 | AA925274 | | ESTs |
| 5111 | E | 397 | AA955729 | | EST,ESTs |
| | | | | | |
| | | | | Glycolysis/ Gluconeogenesis, Purine metabolism, Pyruvate metabolism | |
| 5175 | A | 90 | AA818951 | | Pyruvate kinase, muscle |
| 5219 | A | 322 | AA925807 | | ESTs |
| 5235 | F | 829 | AI145569 | | ESTs, Moderately similar to |
| | | | | | BcDNA.GH02974 [D.melanogaster] |

| TABLE 1 | | | | | | | Document Number 1650775 | |
|----------|-----------------|------------------------|----------------|----------|---|---|-------------------------|--|
| GLGC ID | Comparison Code | Nucleotide Sequence ID | GenBank Acc ID | Pathways | Known Gene Name | Unigene Cluster Title | | |
| | | | | | | ESTs, Weakly similar to NUML_MOUSE NADH-UBIQUINONE OXIDOREDUCTASE MLRQ SUBUNIT [M.musculus] | | |
| 5504 D | | 1165 | AI231805 | | | EST | | |
| 5518 S | | 617 | AI044550 | | | ESTs | | |
| 5565 S | | 377 | AA945879 | | | ESTs, Weakly similar to mitochondrial very-long-chain acyl-CoA thioesterase [R.norvegicus] | | |
| 5602 S | | 1187 | AI232611 | | | ESTs | | |
| 5608 R | | 93 | AA819041 | | | ESTs | | |
| 5616 M,S | | 1731 | NM_019143 | | Fibronectin 1 | Fibronectin 1 | | |
| 5622 A | | 1731 | NM_019143 | | Fibronectin 1 | Fibronectin 1 | | |
| 5687 P | | 705 | AI101006 | | | ESTs | | |
| 5696 L | | 621 | AI045116 | | | ESTs | | |
| | | | | | P-glycoprotein 2/ multidrug resistance 1b,P-glycoprotein/multidrug resistance 1 | P-glycoprotein/multidrug resistance 1 | | |
| 5733 C | | 1424 | M81855 | | | ESTs, Moderately similar to DYNC_HUMAN DYNACTIN, 50 KD ISOFORM [H.sapiens] | | |
| 5740 L | | 680 | AI072092 | | | proteasome (prosome, macropain) subunit, alpha type 2 | | |
| 5748 A | | 1650 | NM_017279 | | | proteasome (prosome, macropain) subunit, alpha type 2 | | |
| 5749 A,H | | 1650 | NM_017279 | | | proteasome (prosome, macropain) subunit, alpha type 2 | | |
| 5754 L,R | | 133 | AA850738 | | | ESTs | | |
| | | | | | | ESTs, Weakly similar to DRAL [R.norvegicus] | | |
| 5780 C,D | | 1019 | AI177869 | | | ESTs | | |
| 5794 C | | 1212 | AI233480 | | | ESTs | | |
| 5795 E | | 626 | AI045441 | | | ESTs | | |

| TABLE 1 | | | | | | | Document Number 1650775 |
|------------|-----------------|------------------------|----------------|---|---------------------------------|--|-------------------------|
| GLGC ID | Comparison Code | Nucleotide Sequence ID | GenBank Acc ID | Pathways | Known Gene Name | Unigene Cluster Title | |
| 5813 A | | 1026 | AI178231 | | | ESTs | |
| 5820 J | | 1285 | AI236771 | | | ESTs | |
| 5824 K | | 627 | AI045555 | | | EST | |
| 5863 A | | 95 | AA819111 | | | ESTs | |
| | | | | Alanine and aspartate metabolism, Aminoacyl-tRNA biosynthesis | | ESTs, Highly similar to SYN_HUMAN ASPARAGINYL-TRNA SYNTHETASE, CYTOPLASMIC [H.sapiens] | |
| 5867 A,C,D | | 158 | AA858953 | | HHs:asparaginyl-tRNA synthetase | Rattus norvegicus mRNA for DORA protein | |
| 5885 I | | 1322 | AJ223184 | | | ESTs, Moderately similar to Vanin-1 [M.musculus] | |
| 5887 S | | 1053 | AI179099 | | vanin 1 | ESTs | |
| 5899 A,D,F | | 867 | AI170038 | | | ESTs | |
| 5920 G | | 843 | AI169163 | | | ESTs | |
| 5923 A | | 65 | AA818355 | | | ESTs | |
| | | | | | | ESTs, Moderately similar to M phase phosphoprotein 10 [H.sapiens] | |
| 5926 C | | 1017 | AI177638 | | | ESTs | |
| 5930 E | | 42 | AA817688 | | | ESTs | |
| 5932 J | | 756 | AI104254 | | | ESTs | |
| | | | | | | ESTs, Highly similar to 2008147C protein RAKd [R.norvegicus] | |
| 5934 A,F | | 43 | AA817695 | | | ESTs | |
| 5937 J | | 908 | AI171684 | | | ESTs | |
| 5943 A | | 1005 | AI177105 | | | ESTs | |
| | | | | | | Rattus norvegicus amino acid transporter system A (ATA2) mRNA, complete cds | |
| 5953 H | | 893 | AI171231 | | | ESTs | |
| 5966 H | | 89 | AA818947 | | | ESTs | |
| 5993 R | | 820 | AI144612 | | | ESTs | |
| 5998 G | | 1317 | AI639501 | | | ESTs | |
| 6003 E | | 54 | AA818107 | | | ESTs | |

| TABLE 1 | | | | | | | Document Number 1650775 | |
|--------------|-----------------|------------------------|----------------|---------------------|----------------------|--|-------------------------|--|
| GLGC ID | Comparison Code | Nucleotide Sequence ID | GenBank Acc ID | Pathways | Known Gene Name | Unigene Cluster Title | | |
| 6007 A | | 55 | AA818123 | | | ESTs | | |
| 6012 D | | 56 | AA818139 | | | ESTs | | |
| 6013 N | | 1634 | NM_017096 | | C-reactive protein | C-reactive protein | | |
| 6015 A,O | | 57 | AA818158 | | | ESTs | | |
| 6016 A,C,D | | 58 | AA818163 | | | EST | | |
| 6017 A | | 1676 | NM_019292 | Nitrogen metabolism | carbonic anhydrase 3 | carbonic anhydrase 3 | | |
| 6018 E,N | | 96 | AA819140 | Nitrogen metabolism | carbonic anhydrase 3 | carbonic anhydrase 3 | | |
| 6026 E | | 59 | AA818211 | | | EST | | |
| 6032 E | | 60 | AA818258 | | | ESTs | | |
| 6033 A | | 1195 | AI233081 | | | ESTs | | |
| 6037 A | | 64 | AA818288 | | | ESTs | | |
| | | | | | | ESTs, Highly similar to HN1 | | |
| 6039 D | | 330 | AA942716 | | | [M.musculus] | | |
| 6060 A,O | | 77 | AA818702 | | | ESTs | | |
| 6066 E | | 83 | AA818781 | | | ESTs | | |
| | | | | | | ESTs, Weakly similar to Similarity to litosperm LEC14B protein [C.elegans] | | |
| 6072 A,B,E,F | | 1093 | AI228630 | | | ESTs, Moderately similar to axonemal dynein heavy chain [H.sapiens] | | |
| 6085 C | | 916 | AI171990 | | | ESTs | | |
| 6101 R | | 881 | AI170752 | | | EST | | |
| 6132 A,C,D | | 94 | AA819055 | | | ESTs, Moderately similar to selenium-binding protein [H.sapiens] | | |
| 6143 A,C | | 771 | AI105167 | | | EST | | |
| 6151 G | | 98 | AA819199 | | | EST | | |
| | | | | | | Rattus norvegicus pro-alpha-2(I) collagen (col1a2) mRNA, complete cds | | |
| 6153 G | | 203 | AA875531 | | | Rattus norvegicus pro-alpha-2(I) collagen (col1a2) mRNA, complete cds | | |
| 6155 G | | 715 | AI101443 | | | Rattus norvegicus pro-alpha-2(I) collagen (col1a2) mRNA, complete cds | | |
| 6188 E | | 82 | AA818774 | | | ESTs | | |

| TABLE 1 | | | | | | Document Number 1650775 | |
|---------|-----------------|------------------------|----------------|--|---|--|--|
| GLGC ID | Comparison Code | Nucleotide Sequence ID | GenBank Acc ID | Pathways | Known Gene Name | UniGene Cluster Title | |
| 6613 | A,F | 117 | AA848758 | Butanoate metabolism, Fatty acid biosynthesis (path 2), Fatty acid metabolism, Lysine degradation, Tryptophan metabolism, Valine, leucine and isoleucine degradation | HMm:hydroxylacyl-Coenzyme A dehydrogenase | Rattus norvegicus L-3-hydroxyacyl-CoA dehydrogenase precursor (HAD) mRNA, complete cds; nuclear gene for mitochondrial product | |
| 6615 | A | 335 | AA942889 | | | ESTs, Weakly similar to putative type III alcohol dehydrogenase [D.melanogaster] | |
| 6632 | A | 1246 | AI235277 | | | ESTs | |
| 6633 | A,N | 1098 | AI228931 | | | ESTs | |
| 6640 | A | 716 | AI101500 | | | ESTs | |
| 6667 | K | 905 | AI171646 | | | ESTs | |
| 6673 | E | 612 | AI044325 | | | Rattus norvegicus mRNA for N-cadherin, complete cds | |
| 6676 | L | 143 | AA851967 | | | ESTs | |
| 6677 | S | 542 | AI011471 | | | ESTs | |
| 6682 | A | 1168 | AI232065 | | | ESTs | |
| 6686 | R | 952 | AI176130 | | | ESTs | |
| 6761 | A | 513 | AI008699 | | | ESTs, Highly similar to methyl-CpG binding domain-containing protein MBD3 [M.musculus] | |
| 6789 | O,R | 459 | AA998207 | | | ESTs | |
| 6796 | C | 735 | AI102753 | | | ESTs | |
| 6798 | E | 857 | AI169619 | | | ESTs | |
| 6801 | A,E,K | 536 | AI010316 | | | ESTs | |
| 6804 | E | 509 | AI007877 | | | ESTs | |

| TABLE 1 | | | | | | Document Number 1650775 | |
|----------------|-----------------|------------------------|-----------------|---|-------------------------------------|---|--|
| GLGC ID | Comparison Code | Nucleotide Sequence ID | GenBank Acc. ID | Pathways | Known Gene Name | Unigene Cluster Title | |
| 6814 E | | 717 | AI101534 | | | EST, Rattus norvegicus Mdk mRNA for midkine, complete cds | |
| 6820 A,D | | 1133 | AI230439 | | | ESTs | |
| 6821 E,L | | 990 | AI176841 | | | ESTs | |
| 6824 A,C,D,F,I | | 104 | AA819709 | | | ESTs | |
| 6825 A,B,Q,S | | 631 | AI045972 | | | ESTs | |
| 6855 A,L | | 899 | AI171370 | | | ESTs | |
| 6861 H,R | | 995 | AI176970 | | | ESTs | |
| 6879 I | | 907 | AI171674 | | | ESTs | |
| 6892 J | | 33 | AA800551 | | | Rattus norvegicus DnaJ-like protein (RDJ1) mRNA, complete cds | |
| 6911 D | | 1343 | D85035 | Pantothenate and CoA biosynthesis, Pyrimidine metabolism, beta-Alanine metabolism | HHs:dihydropyrimidine dehydrogenase | Rattus norvegicus mRNA for dihydropyrimidine dehydrogenase, complete cds | |
| 6919 N | | 537 | AI010461 | | | ESTs | |
| 6975 O | | 953 | AI176229 | | | ESTs | |
| 7003 A,L | | 593 | AI030259 | | | ESTs, Weakly similar to Dreg-2 protein [D.melanogaster] | |
| 7036 C,J | | 1164 | AI231801 | | | ESTs, Weakly similar to TERA_RAT TRANSITIONAL ENDOPLASMIC RETICULUM ATPASE [R.norvegicus] | |
| 7056 B,M | | 543 | AI011503 | | | ESTs | |
| 7062 A | | 1533 | NM_012495 | Fructose and mannose metabolism, Glycolysis/ Gluconeogenesis, Pentose phosphate cycle | Aldolase A, fructose-bisphosphate | Aldolase A, fructose-bisphosphate | |

| TABLE 1 | | | | | | Document Number 1650775 | |
|---------|-----------------|------------------------|----------------|---|-----------------------------------|------------------------------------|--|
| GLGC ID | Comparison Code | Nucleotide Sequence ID | GenBank Acc ID | Pathways | Known Gene Name | Unigene Cluster Title | |
| 7063 | A,C,D | 1533 | NM_012495 | Fructose and mannose metabolism, Glycolysis/ Gluconeogenesis, Pentose phosphate cycle | Aldolase A, fructose-bisphosphate | Aldolase A, fructose-bisphosphate | |
| 7064 | A,C | 1533 | NM_012495 | Fructose and mannose metabolism, Glycolysis/ Gluconeogenesis, Pentose phosphate cycle | Aldolase A, fructose-bisphosphate | Aldolase A, fructose-bisphosphate | |
| 7111 | R | 108 | AA819816 | | | ESTs | |
| 7113 | A | 868 | AI170260 | | | ESTs | |
| 7122 | Q | 809 | AI137468 | | | ESTs | |
| 7161 | C | 1209 | AI233407 | | | ESTs | |
| 7176 | Q | 1306 | AI639029 | | | ESTs | |
| 7196 | P | 1585 | NM_012904 | | Annexin 1 (p35) (Lipocortin 1) | Annexin 1 (p35) (Lipocortin 1) | |
| 7199 | C,D | 562 | AI013044 | | | ESTs | |
| 7225 | M | 564 | AI013657 | | | ESTs | |
| 7243 | A,C | 1218 | AI233717 | | | ESTs | |
| 7262 | D,L | 946 | AI175833 | | | ESTs | |
| 7271 | C | 1115 | AI229739 | | | ESTs | |
| 7295 | S | 572 | AI013876 | | | ESTs | |
| 7299 | A | 573 | AI013911 | | | ESTs, Weakly similar to CIRP | |
| 7301 | J | 111 | AA819854 | | | [R.norvegicus] | |
| | | | | | | ESTs | |
| | | | | | | ESTs, Weakly similar to AF165892_1 | |
| 7352 | A | 577 | AI028973 | | | RNA-binding protein SiahBP | |
| 7362 | L | 578 | AI029026 | | | [R.norvegicus] | |
| 7403 | C,D | 579 | AI029212 | | | ESTs | |
| | | | | | | EST | |

| Document Number 1650775 | | | | | |
|-------------------------|---------|-----------------|------------------------|----------------|--|
| TABLE 1 | GLGC ID | Comparison Code | Nucleotide Sequence ID | GenBank Acc ID | Pathways |
| | | | | | Known Gene Name |
| | | | | | Unigene Cluster Title |
| 7414 | C,D | | 813 | AI137586 | ESTs, Highly similar to IMB3_HUMAN IMPORTIN BETA-3 SUBUNIT [H.sapiens] |
| 7420 | S | | 580 | AI029291 | ESTs, Highly similar to ClpX-like protein [H.sapiens] |
| 7451 | E,N | | 581 | AI029450 | ESTs, Moderately similar to SYEP_HUMAN MULTIFUNCTIONAL AMINOACYL-TRNA SYNTHETASE [H.sapiens] |
| 7497 | O | | 849 | AI169302 | ESTs, Moderately similar to sphingomyelin phosphodiesterase 1, acid lysosomal [H.sapiens] |
| 7517 | S | | 582 | AI029709 | ESTs |
| 7528 | H | | 749 | AI103548 | ESTs, Highly similar to AF115778_1 short coiled coil protein SCOCO [M.musculus] |
| 7531 | A | | 1298 | AI237614 | ESTs |
| 7537 | E | | 584 | AI029829 | ESTs |
| 7552 | E,G,I | | 629 | AI045802 | EST |
| 7582 | A | | 588 | AI029996 | ESTs |
| 7584 | O | | 601 | AI043724 | ESTs |
| 7586 | L | | 589 | AI030024 | ESTs |
| 7602 | I | | 1320 | AJ001929 | Rattus norvegicus mRNA for of CBP-50 protein |
| 7617 | A | | 591 | AI030170 | ESTs |
| 7665 | F | | 596 | AI030668 | ESTs |
| 7681 | A | | 595 | AI030449 | ESTs, Moderately similar to methyltransferase related protein [M.musculus] |

| TABLE 1 | | | | | | | Document Number 1650775 | |
|---------|-----------------|------------------------|----------------|---|--|--|-------------------------|--|
| GLGC ID | Comparison Code | Nucleotide Sequence ID | GenBank Acc ID | Pathways | Known Gene Name | Unigene Cluster Title | | |
| 7684 | O | 592 | AI030242 | | | ESTs | | |
| | | | | | | Rattus norvegicus uroguanylin mRNA, complete cds | | |
| 7690 | I | 1700 | NM_022284 | | | ESTs | | |
| 7697 | A,M | 992 | AI176942 | | | ESTs | | |
| 7743 | P | 651 | AI070233 | | | ESTs | | |
| 7784 | A | 1570 | NM_012789 | | Dipeptidyl peptidase 4 | Dipeptidyl peptidase 4 | | |
| 7785 | A,C | 1570 | NM_012789 | | Dipeptidyl peptidase 4 | Dipeptidyl peptidase 4 | | |
| 7806 | J | 67 | AA818421 | | | ESTs | | |
| 7858 | M,P | 599 | AI043654 | | | EST | | |
| 7868 | A | 711 | AI101229 | | | ESTs | | |
| | | | | Aminoacyl-tRNA biosynthesis,Arginine and proline metabolism | | ESTs, Moderately similar to SYR_HUMAN ARGINYL-TRNA SYNTHETASE [H.sapiens] | | |
| 7887 | C,D | 823 | AI144832 | | HHs:arginyl-tRNA synthetase | ESTs, Moderately similar to SYR_HUMAN ARGINYL-TRNA SYNTHETASE [H.sapiens] | | |
| | | | | Aminoacyl-tRNA biosynthesis,Arginine and proline metabolism | HHs:arginyl-tRNA synthetase | ESTs, Moderately similar to SYR_HUMAN ARGINYL-TRNA SYNTHETASE [H.sapiens] | | |
| 7888 | A,C,D | 1215 | AI233583 | | | ESTs, Weakly similar to FIBA_RAT FIBRINOGEN ALPHA/ALPHA-E CHAIN PRECURSOR [R.norvegicus] | | |
| 7892 | F | 1102 | AI229172 | | | EST | | |
| 7893 | A | 604 | AI043761 | | | ESTs | | |
| 7903 | A,E,F | 605 | AI043805 | | | | | |
| | | | | | HMm:sterol-C5-desaturase (fungal ERG3, delta-5-desaturase) homolog (S. cerevisiae) | ESTs, Highly similar to sterol-C5-desaturase [M.musculus] | | |
| 7916 | E | 606 | AI043855 | | | ESTs | | |
| 7918 | A | 1069 | AI179750 | | | | | |
| | | | | Sterol biosynthesis | HHs:UDP-N-acetylglucosamine-2-epimerase/N-acetylmannosamine kinase | R.norvegicus mRNA for UDP-N-acetyl-D-glucosamine-2-epimerase | | |
| 7927 | A,H,O | 831 | AI145931 | | | | | |

| TABLE 1 | | | | | | | Document Number 1650775 |
|------------|-----------------|------------------------|----------------|--------------------------------------|--|--|-------------------------|
| GLGC ID | Comparison Code | Nucleotide Sequence ID | GenBank Acc ID | Pathways | Known Gene Name | Unigene Cluster Title | |
| 7935 C | | 607 | AI043945 | Porphyrin and chlorophyll metabolism | HMm:ferrochelatase | ESTs | |
| 7936 A | | 202 | AA875495 | | | ESTs | |
| 7967 L | | 1124 | AI230134 | Purine metabolism | HHs:adenylate cyclase 9 | ESTs | |
| | | | | | | EST, Weakly similar to putative integral membrane transport protein [R.norvegicus] | |
| 8017 P | | 633 | AI058341 | | | ESTs | |
| 8053 K | | 932 | AI175033 | | | ESTs | |
| 8054 R | | 1099 | AI228959 | | | ESTs | |
| 8079 B,M,Q | | 637 | AI058581 | | | ESTs | |
| | | | | | | ESTs, Moderately similar to PROP_MOUSE PROPERDIN [M.musculus] | |
| 8107 G | | 1318 | AI639534 | | Protein tyrosine phosphatase, gamma (provisional HGM11 symbol) | ESTs | |
| 8124 E | | 742 | AI103071 | | | Rattus norvegicus protein-tyrosine phosphatase (SHP-1) mRNA, complete cds | |
| 8152 I | | 1478 | U77038 | | HMm:hemoipoietic cell phosphatase | ESTs | |
| 8173 E | | 450 | AA997699 | | | ESTs | |
| 8177 S | | 638 | AI058603 | | | Rat ferritin light chain subunit, mRNA,Rattus norvegicus kynurenine aminotransferase/glutamine transaminase K (Kat) gene, complete cds | |
| 8215 L | | 909 | AI171692 | | | ESTs | |
| 8273 P | | 765 | AI104908 | | | EST, Weakly similar to hypothetical protein [H.sapiens] | |
| 8274 B | | 641 | AI059270 | | | ESTs | |
| 8310 P | | 1048 | AI178868 | | | | |

| TABLE 1 | | | | | | | Document Number 1650775 |
|------------|-----------------|------------------------|----------------|--|--|---|-------------------------|
| GLGC ID | Comparison Code | Nucleotide Sequence ID | GenBank Acc ID | Pathways | Known Gene Name | Unigene Cluster Title | |
| 8314 J | | 642 | AI059386 | | | ESTs | |
| | | | | Alanine and aspartate metabolism,Purine metabolism | HMm:adenylosuccinate synthetase 1, muscle | ESTs, Highly similar to PUA1_MOUSE ADENYLOSUCCINATE SYNTHETASE, MUSCLE ISOZYME [M.musculus] | |
| 8315 S | | 643 | AI059389 | | | | |
| | | | | | HHs:microsomal glutathione S-transferase 3 | ESTs, Moderately similar to microsomal glutathione S-transferase 3 [H.sapiens] | |
| 8317 A,E | | 234 | AA892234 | Glutathione metabolism | | EST | |
| 8356 G | | 645 | AI059543 | | | ESTs | |
| 8387 A | | 962 | AI176365 | | | ESTs | |
| 8477 A | | 1056 | AI179167 | | | ESTs | |
| 8515 N | | 127 | AA849917 | | | ESTs | |
| 8522 M,P | | 647 | AI060071 | | | ESTs | |
| 8549 A,F,H | | 1216 | AI233639 | | | ESTs | |
| | | | | | | Rattus norvegicus sterol delta 8-isomerase (RSI) mRNA, complete cds | |
| 8592 G | | 1364 | H33491 | | | Rattus norvegicus sterol delta 8-isomerase (RSI) mRNA, complete cds | |
| | | | | | | Rattus norvegicus phosphatidate phosphohydrolase type 2 mRNA, complete cds | |
| 8597 B,H | | 72 | AA818593 | | | ESTs | |
| 8600 A | | 640 | AI058956 | | | ESTs | |
| 8630 A | | 529 | AI009677 | | | ESTs | |
| | | | | | | Rattus norvegicus heat shock protein 70 (HSP70) mRNA, complete cds | |
| 8661 J | | 73 | AA818604 | | Heat shock protein 70-1 | Rattus norvegicus heat shock protein 70 (HSP70) mRNA, complete cds | |
| | | | | | | Rattus norvegicus heat shock protein 70 (HSP70) mRNA, complete cds | |
| 8662 J | | 115 | AA848563 | | Heat shock protein 70-1 | Rattus norvegicus heat shock protein 70 (HSP70) mRNA, complete cds | |
| | | | | | | Rattus norvegicus heat shock protein 70 (HSP70) mRNA, complete cds | |
| 8663 J | | 1527 | Z27118 | | Heat shock protein 70-1 | Rattus norvegicus heat shock protein 70 (HSP70) mRNA, complete cds | |

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|-------------------------|-----------------|------------------------|----------------|----------|---|
| GLGC ID | Comparison Code | Nucleotide Sequence ID | GenBank Acc ID | Pathways | Known Gene Name |
| 8664 J | | 1530 | Z75029 | | Heat shock protein 70-1 |
| 8665 J | | 675 | AI071965 | | Heat shock protein 70-1 |
| 8692 A | | 610 | AI044247 | | |
| 8700 E,M | | 634 | AI058388 | | |
| 8709 R | | 1185 | AI232534 | | |
| 8715 N | | 648 | AI069920 | | |
| 8728 R | | 74 | AA818615 | | |
| 8730 H | | 1028 | AI178483 | | |
| 8735 H | | 697 | AI073047 | | |
| 8766 A | | 549 | AI012085 | | |
| 8820 S | | 650 | AI070152 | | |
| 8829 A | | 1567 | NM_012749 | | Nucleolin |
| 8864 P | | 652 | AI070319 | | |
| 8872 G,K | | 134 | AA851050 | | |
| 8880 A | | 824 | AI144936 | | |
| 8886 D | | 1221 | AI233766 | | |
| 8905 K | | 790 | AI112511 | | |
| 8928 I | | 212 | AA891221 | | |
| | | | | | ESTs, Rattus norvegicus heat shock protein 70 (HSP70) mRNA, complete cds |
| | | | | | ESTs, Rattus norvegicus heat shock protein 70 (HSP70) mRNA, complete cds |
| | | | | | ESTs, Weakly similar to putative peroxisomal 2,4-dienoyl-CoA reductase [R.norvegicus] |
| | | | | | ESTs |
| | | | | | ESTs, Weakly similar to DnaJ homolog 2 [R.norvegicus] |
| | | | | | ESTs |
| | | | | | ESTs |
| | | | | | ESTs |
| | | | | | Rattus norvegicus clone Pr2 unknown mRNA |
| | | | | | ESTs, Weakly similar to thyroid hormone responsive protein [R.norvegicus] |
| | | | | | ESTs |
| | | | | | Nucleolin |
| | | | | | ESTs |
| | | | | | ESTs |
| | | | | | ESTs |
| | | | | | ESTs, Highly similar to Ki antigen [M.musculus] |
| | | | | | ESTs |
| | | | | | ESTs |

| TABLE 1 | | | | | | | Document Number 1650775 | |
|----------------|-----------------|------------------------|----------------|----------|---------------------------------|--|-------------------------|--|
| GLGC ID | Comparison Code | Nucleotide Sequence ID | GenBank Acc ID | Pathways | Known Gene Name | Unigene Cluster Title | | |
| 8946 A | | 656 | AI070611 | | | ESTs | | |
| 8984 J | | 1735 | NM_022539 | | Hsp:METHIONINE AMINOPEPTIDASE 2 | Rattus norvegicus initiation factor 2 associated 67 kDa protein (p67) mRNA, complete cds | | |
| 8993 R | | 948 | AI175997 | | | ESTs | | |
| 9012 A | | 657 | AI070879 | | | EST | | |
| 9015 K | | 1239 | AI234810 | | | ESTs | | |
| 9016 A,B,C,D,E | | 659 | AI070903 | | | EST | | |
| 9053 A | | 249 | AA892861 | | | ESTs | | |
| 9063 A | | 1197 | AI233162 | | | ESTs | | |
| 9072 G | | 942 | AI175635 | | | ESTs | | |
| 9079 P | | 667 | AI071251 | | | ESTs | | |
| 9128 L | | 903 | AI171611 | | | ESTs | | |
| 9148 B | | 516 | AI008813 | | | ESTs | | |
| 9164 H | | 1565 | NM_012726 | | Spinocerebellar ataxia type 1 | ESTs | | |
| 9166 E | | 807 | AI137406 | | | ESTs | | |
| 9170 E | | 993 | AI176947 | | | ESTs | | |
| 9181 C,D | | 1071 | AI179870 | | | ESTs | | |
| 9190 H | | 702 | AI100835 | | | ESTs | | |
| | | | | | | EST, Weakly similar to PE2R_RAT 20-ALPHA-HYDROXYSTEROID DEHYDROGENASE [R.norvegicus] | | |
| 9191 A | | 681 | AI072107 | | | ESTs | | |
| 9192 E | | 805 | AI137345 | | | Rat MHC class II RT1.B beta gene, encoding cell surface glycoprotein beta chain,Rat mRNA for MHC class II antigen RT1.B-1 beta-chain,Rattus norvegicus MHC class II antigen RT1.B beta chain mRNA, partial cds | | |
| 9223 Q | | 1417 | M36151 | | | | | |

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|-------------------------|-----------------|------------------------|----------------|----------|----------------------|---|
| TABLE 1 | | | | | | |
| GLGC ID | Comparison Code | Nucleotide Sequence ID | GenBank Acc ID | Pathways | Known Gene Name | Unigene Cluster Title |
| 9245 A | | 684 | AI072278 | | | ESTs |
| 9267 Q | | 685 | AI072384 | | | ESTs, Moderately similar to human forminotransferase cyclodeaminase [H.sapiens] |
| 9326 A | | 799 | AI136514 | | | ESTs, Moderately similar to SPIN [H.sapiens] |
| 9331 A,C,D | | 689 | AI072633 | | | ESTs |
| 9336 A | | 691 | AI072643 | | | ESTs |
| 9372 S | | 692 | AI072712 | | | ESTs |
| 9373 S | | 802 | AI136714 | | | ESTs |
| 9374 R | | 854 | AI169557 | | | ESTs, Highly similar to CDN6_MOUSE CYCLIN-DEPENDENT KINASE 6 INHIBITOR [M.musculus] |
| 9399 A | | 693 | AI072812 | | | ESTs |
| 9402 O,R | | 101 | AA819383 | | | ESTs |
| 9423 S | | 1556 | NM_012649 | | Ryudocan/syndecan 4 | Ryudocan/syndecan 4 |
| 9424 N | | 1556 | NM_012649 | | Ryudocan/syndecan 4 | Ryudocan/syndecan 4 |
| 9425 A | | 27 | AA800059 | | Ryudocan/syndecan 4 | Ryudocan/syndecan 4 |
| 9432 E | | 695 | AI072914 | | | EST |
| 9475 A,O | | 698 | AI073059 | | | ESTs |
| 9486 L | | 69 | AA818490 | | | ESTs |
| 9541 A | | 1704 | NM_022542 | | | Rat rhoB gene mRNA, complete cds |
| 9572 R | | 660 | AI071162 | | | ESTs |
| 9583 A | | 664 | AI071185 | | | ESTs |
| 9595 B,E,Q | | 800 | AI136630 | | | ESTs |
| 9598 E | | 1365 | H33832 | | | ESTs |
| 9603 E | | 666 | AI071227 | | | ESTs |
| 9621 O | | 937 | AI175486 | | ribosomal protein S7 | Rat PRRHIS8 mRNA for ribosomal protein S8 |

| TABLE 1 | | | | | | | Document Number 1650775 |
|-----------|-----------------|------------------------|----------------|----------|-----------------|--|-------------------------|
| GLGC ID | Comparison Code | Nucleotide Sequence ID | GenBank Acc ID | Pathways | Known Gene Name | Unigene Cluster Title | |
| 9627 A | | 840 | AI169041 | | | ESTs | |
| | | | | | | ESTs, Weakly similar to Y281_HUMAN HYPOTHETICAL PROTEIN KIAA0281 [H.sapiens] | |
| 9635 N | | 676 | AI071967 | | | ESTs | |
| 9668 K | | 669 | AI071538 | | | ESTs | |
| 9674 L | | 1044 | AI178784 | | | ESTs | |
| 9697 K | | 671 | AI071642 | | | EST | |
| | | | | | | ESTs, Weakly similar to F25H5.6 [C.elegans] | |
| 9712 B,E | | 988 | AI176836 | | | ESTs | |
| 9754 A | | 788 | AI112194 | | | ESTs | |
| 9766 R | | 672 | AI071858 | | | ESTs | |
| | | | | | | Rattus norvegicus brain-enriched SH3- domain protein mRNA, complete cds | |
| 9775 L | | 124 | AA849767 | | | ESTs | |
| 9784 C | | 710 | AI101226 | | | Rattus norvegicus pEachy mRNA, complete cds | |
| 9796 C | | 677 | AI071990 | | | ESTs, Weakly similar to AF165892_1 RNA-binding protein SiahBP [R.norvegicus] | |
| 9800 R | | 678 | AI072014 | | | ESTs | |
| 9826 A,M | | 228 | AA891950 | | | EST | |
| 9889 A | | 618 | AI044621 | | | ESTs | |
| 9905 A,G | | 221 | AA891774 | | | ESTs | |
| 9925 S | | 620 | AI044925 | | | EST | |
| 9969 K | | 622 | AI045195 | | | EST | |
| 9977 M | | 623 | AI045253 | | | ESTs, Highly similar to myosin X [M.musculus] | |
| 10002 K | | 816 | AI137988 | | | Actin-related protein complex 1b | |
| 10016 F,I | | 1673 | NM_019289 | | | ESTs | |
| 10019 J | | 1043 | AI178756 | | | | |

| TABLE 1 | | | | | | | Document Number 1650775 | |
|---------|-----------------|------------------------|-----------------|-------------------------------|---|---|-------------------------|--|
| GLGC ID | Comparison Code | Nucleotide Sequence ID | GenBank Acc. ID | Pathways | Known Gene Name | Unigene Cluster Title | | |
| 10093 | G | 639 | AI058746 | | | EST | | |
| 10109 | A | 1502 | X58465 | | Ribosomal protein S5 | Ribosomal protein S5 | | |
| 10176 | A | 102 | AA819530 | | | Rattus norvegicus E-septin long form mRNA, complete cds | | |
| 10184 | E | 1363 | H33426 | | | ESTs | | |
| 10187 | E | 985 | AI176781 | | | ESTs | | |
| 10200 | L | 644 | AI059444 | | | ESTs | | |
| 10248 | A | 1574 | NM_012797 | | Inhibitor of DNA binding 1, helix-loop-helix protein (splice variation) | Inhibitor of DNA binding 1, helix-loop-helix protein (splice variation) | | |
| 10306 | I | 506 | AF100470 | | | Rattus norvegicus SERP1 mRNA, complete cds | | |
| | | | | | | ESTs, Moderately similar to CO5_HUMAN COMPLEMENT C5 | | |
| 10378 | F | 1205 | AI233300 | | Complement component 5 | PRECURSOR [H.sapiens] | | |
| 10394 | R | 337 | AA943564 | | | ESTs | | |
| | | | | Starch and sucrose metabolism | HHs:phosphorylase, glycogen; liver (Hers disease, glycogen storage disease type VI) | R.norvegicus gene for glycogen phosphorylase (liver type) | | |
| 10509 | A | 1696 | NM_022268 | | | ESTs, Highly similar to HG17_RAT NONHISTONE CHROMOSOMAL PROTEIN HMG-17 [R.norvegicus] | | |
| 10533 | S | 635 | AI058430 | | | EST | | |
| 10540 | O | 269 | AA894027 | | | Rattus norvegicus outer mitochondrial membrane receptor rTOM20 mRNA, complete cds | | |
| 10544 | A,B | 1341 | D63411 | | | Rattus norvegicus outer mitochondrial membrane receptor rTOM20 mRNA, complete cds | | |
| 10545 | A | 1455 | U21871 | | | Rattus norvegicus outer mitochondrial membrane receptor rTOM20 mRNA, complete cds | | |
| 10549 | C,D,E | 39 | AA801255 | | | ESTs | | |

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| GLGC ID | Comparison Code | Nucleotide Sequence ID | GenBank Acc ID | Pathways | Known Gene Name | Unigene Cluster Title |
|---------|-----------------|------------------------|----------------|---|---|--|
| 10593 | R | 876 | AI170673 | | | ESTs |
| 10594 | E | 704 | AI100878 | | | ESTs, Highly similar to EST00098 protein [H.sapiens] |
| 10611 | O | 1018 | AI177790 | | | ESTs |
| 10667 | N | 1273 | AI236366 | | | Rattus norvegicus RNA-binding protein |
| 10790 | F,M | 602 | AI043728 | | | SiahBP mRNA, partial cds |
| 10879 | A,N | 687 | AI072476 | | | EST |
| 10984 | A,P | 842 | AI169156 | | | ESTs |
| 11021 | A,N | 106 | AA819767 | | | ESTs, Weakly similar to HP33 [R.norvegicus] |
| 11039 | G | 1705 | NM_022543 | | | ESTs |
| 11048 | E | 668 | AI071456 | | | Rattus norvegicus steroid sensitive gene 1 protein (SSG-1) mRNA, complete cds |
| 11125 | L | 673 | AI071867 | | | EST, Moderately similar to AF099186_1 EH domain-containing protein EHD1 [M.musculus] |
| 11127 | E | 674 | AI071868 | | | ESTs, Highly similar to phosphatidylserine synthase-2 [M.musculus] |
| 11152 | G | 1629 | NM_017073 | Aminoacyl-tRNA biosynthesis, Arginine and proline metabolism, Glutamate metabolism, Nitrogen metabolism, Porphyrin and chlorophyll metabolism | Glutamine synthetase (glutamate-ammonia ligase) | Glutamine synthetase (glutamate-ammonia ligase) |

| Document Number 1650775 | | | | | |
|-------------------------|---------|-----------------|------------------------|----------------|--|
| TABLE 1 | GLGC ID | Comparison Code | Nucleotide Sequence ID | GenBank Acc ID | Pathways |
| | | | | | Known Gene Name |
| | | | | | Unigene Cluster Title |
| 11426 | H | | 896 | AI171305 | ESTs, Moderately similar to PTN3_HUMAN PROTEIN TYROSINE PHOSPHATASE, NON-RECEPTOR TYPE 3 [H.sapiens] |
| 11429 | A,G | | 862 | AI169706 | ESTs |
| 11438 | E | | 922 | AI172189 | ESTs |
| 11465 | O | | 1263 | AI236084 | ESTs, Moderately similar to 41BB_MOUSE 4-1BB LIGAND RECEPTOR PRECURSOR [M.musculus] |
| 11483 | J | | 487 | AF020618 | ESTs, Moderately similar to progression elevated gene 3 protein [R.norvegicus], Rattus norvegicus progression elevated gene 3 protein mRNA, complete cds |
| 11485 | E | | 1248 | AI235348 | ESTs, Highly similar to nuclear transcriptional repressor Mph1 [M.musculus] |
| 11492 | A | | 770 | AI105145 | ESTs |
| 11493 | J | | 1356 | H31287 | ESTs, Weakly similar to putative serine/threonine protein kinase MAK-V [M.musculus] |
| 11494 | J | | 1356 | H31287 | ESTs, Weakly similar to putative serine/threonine protein kinase MAK-V [M.musculus] |
| 11495 | J | | 991 | AI176901 | ESTs, Weakly similar to putative serine/threonine protein kinase MAK-V [M.musculus] |
| 11504 | A,B | | 906 | AI171652 | ESTs |

| TABLE 1 | | | | | Document Number 1650775 | |
|---------|-----------------|------------------------|----------------|----------|-------------------------|---|
| GLGC ID | Comparison Code | Nucleotide Sequence ID | GenBank Acc ID | Pathways | Known Gene Name | Unigene Cluster Title |
| 11520 | A | 443 | AA997068 | | | ESTs, Weakly similar to CAG6_RAT |
| 11527 | A,C,R | 1108 | AI229307 | | | CMP-N-ACETYLNEURAMINATE-BETA-1,4-GALACTOSIDE ALPHA-2,3-SIALYLTRANSFERASE [R.norvegicus] |
| 11536 | A | 984 | AI176739 | | | ESTs |
| 11561 | C | 1200 | AI233182 | | | ESTs |
| 11563 | A | 728 | AI102560 | | | ESTs |
| 11576 | A | 832 | AI146177 | | | ESTs |
| 11590 | E | 78 | AA818721 | | | ESTs, Moderately similar to S65785 mel-13a protein - mouse [M.musculus] |
| 11596 | M | 665 | AI071194 | | | ESTs |
| 11608 | F | 172 | AA859633 | | | ESTs |
| 11619 | L | 701 | AI100769 | | | ESTs |
| 11623 | E | 930 | AI172471 | | | ESTs, Highly similar to small EDRK-rich factor 2 [M.musculus] |
| 11625 | R | 708 | AI101167 | | | ESTs, Weakly similar to ARL5_RAT |
| 11635 | A,G | 173 | AA859645 | | | ADP-RIBOSYLATION FACTOR-LIKE |
| 11644 | K,O | 1247 | AI235282 | | | PROTEIN 5 [R.norvegicus] |
| 11645 | F,M | 725 | AI102093 | | | ESTs |
| 11660 | C,D | 1050 | AI178944 | | | ESTs, Weakly similar to B39066 proline-rich protein 15 - rat [R.norvegicus] |
| 11691 | A,E | 327 | AA926193 | | | ESTs, Highly similar to AF167573_1 protein methyltransferase [M.musculus] |
| | | | | | | Rattus norvegicus mRNA for Sulfotransferase K2 |

| TABLE 1 | | | | | | | Document Number 1650775 |
|---------|-----------------|------------------------|----------------|----------|---|---|-------------------------|
| GLGC ID | Comparison Code | Nucleotide Sequence ID | GenBank Acc ID | Pathways | Known Gene Name | Unigene Cluster Title | |
| 11693 | A,C,D,E,K | 836 | AI168953 | | | Rattus norvegicus mRNA for Sulfotransferase K2 | |
| 11700 | E | 557 | AI012574 | | | ESTs | |
| 11720 | B,O,Q | 1174 | AI232273 | | | ESTs, Highly similar to RNA cyclase homolog [H.sapiens] | |
| 11724 | K | 736 | AI102812 | | | ESTs | |
| 11731 | P | 1544 | NM_012561 | | Follistatin | Follistatin | |
| 11742 | A,E | 713 | AI101262 | | | ESTs | |
| 11745 | A | 475 | AB006450 | | translocator of inner mitochondrial membrane 17 kDa, a | translocator of inner mitochondrial membrane 17 kDa, a | |
| 11821 | O | 653 | AI070350 | | | ESTs, Weakly similar to DP1_MOUSE POLYPOSIS LOCUS PROTEIN 1 | |
| 11830 | N | 1052 | AI179093 | | | HOMOLOG [M.musculus] | |
| 11840 | N | 1526 | Y15068 | | | ESTs | |
| 11850 | G | 1431 | R46985 | | | Rattus norvegicus mRNA for Hsp70/Hsp90 organizing protein | |
| 11876 | L | 522 | AI009321 | | | R.norvegicus mRNA for ribosomal protein L10a | |
| 11893 | B | 1139 | AI230951 | | | ESTs | |
| | | | | | Brain immunoglobulin like protein with tyrosine - based activation motifs,Protein tyrosine phosphatase, non-receptor type substrate 1 (SHP substrate 1) | Brain immunoglobulin like protein with tyrosine - based activation motifs,Protein tyrosine phosphatase, non-receptor type substrate 1 (SHP substrate 1) | |
| 11904 | B,F,M,Q | 1344 | D85183 | | | ESTs | |
| 11940 | F,H | 209 | AA891108 | | | ESTs | |
| 11959 | A | 217 | AA891735 | | | ESTs | |

| TABLE 1 | | | | | | | Document Number 1650775 | |
|-------------|-----------------|------------------------|----------------|--|-----------------------------------|---|-------------------------|--|
| GLGC ID | Comparison Code | Nucleotide Sequence ID | GenBank Acc ID | Pathways | Known Gene Name | Unigene Cluster Title | | |
| 11960 K | | 220 | AA891740 | | | ESTs, Weakly similar to EPOR_RAT ERYTHROPOIETIN RECEPTOR PRECURSOR [R.norvegicus] | | |
| 11974 B | | 363 | AA944958 | | | ESTs | | |
| 12058 R | | 1393 | L25387 | Fructose and mannose metabolism, Galactose metabolism, Glycolysis / Gluconeogenesis, Pentose phosphate cycle | Hsp:6-PHOSPHOFRUCTOKINASE, TYPE C | ESTs, Highly similar to K6PP_RAT 6-PHOSPHOFRUCTOKINASE, TYPE C [R.norvegicus] | | |
| 12064 A | | 32 | AA800429 | | | ESTs | | |
| 12087 A | | 1683 | NM_020082 | | ribonuclease 4 | ribonuclease 4 | | |
| 12120 O | | 121 | AA849365 | | | ESTs | | |
| 12155 K | | 1370 | J00728 | Fatty acid metabolism, Tryptophan metabolism | cytochrome P450, 2b19 | cytochrome P450, 2b19 | | |
| 12156 B,G,K | | 1378 | K00996 | Fatty acid metabolism, Tryptophan metabolism | cytochrome P450, 2b19 | cytochrome P450, 2b19 | | |
| 12157 K | | 1379 | K01721 | Fatty acid metabolism, Tryptophan metabolism | cytochrome P450, 2b19 | cytochrome P450, 2b19 | | |
| 12158 K | | 1383 | L00320 | Fatty acid metabolism, Tryptophan metabolism | cytochrome P450, 2b19 | cytochrome P450, 2b19 | | |
| 12160 A,K | | 66 | AA818412 | Fatty acid metabolism, Tryptophan metabolism | cytochrome P450, 2b19 | cytochrome P450, 2b19 | | |
| 12185 E | | 890 | AI171094 | | | ESTs, Weakly similar to Cys2/His2 zinc finger protein [R.norvegicus] | | |
| 12198 R | | 273 | AA899195 | | | Rattus norvegicus replication factor C subunit 2 (RFC2) mRNA, partial cds | | |
| 12203 L | | 274 | AA899256 | | | ESTs, Weakly similar to translation initiation factor [M.musculus] | | |

| TABLE 1 | | | | | Document Number 1650775 | |
|---------|-----------------|------------------------|----------------|------------------------|---|--|
| GLGC ID | Comparison Code | Nucleotide Sequence ID | GenBank Acc ID | Pathways | Known Gene Name | Unigene Cluster Title |
| 12614 | C,D,R | 933 | AI175294 | | | ESTs |
| 12625 | R | 458 | AA998029 | | | ESTs |
| 12655 | A,O | 1226 | AI233836 | | | ESTs |
| 12694 | A | 416 | AA957906 | | | ESTs |
| | | | | | | ESTs, Weakly similar to LIS1_MOUSE PLATELET-ACTIVATING FACTOR ACETYLHYDROLASE IB ALPHA SUBUNIT [R.norvegicus] |
| 12714 | P | 533 | AI010050 | | | ESTs |
| 12746 | O | 548 | AI011809 | | | ESTs |
| 12844 | N | 679 | AI072054 | | | ESTs |
| | | | | | | ESTs, Weakly similar to hemomucin [D.melanogaster] |
| 12848 | A,G | 251 | AA892916 | | | ESTs |
| 12857 | N | 694 | AI072866 | | | ESTs |
| 12880 | E | 782 | AI111558 | | | ESTs |
| 12928 | B,F,R | 396 | AA955564 | | | ESTs |
| 12946 | A,N | 1088 | AI228291 | | | ESTs |
| 12956 | L | 1296 | AI237580 | | | ESTs |
| 12964 | N | 1267 | AI236227 | | | ESTs |
| 12965 | C | 792 | AI112926 | | | ESTs |
| 12969 | J | 794 | AI112969 | | | ESTs |
| | | | | | | ESTs |
| 12999 | C | 956 | AI176276 | Aminosugars metabolism | HHs:UDP-N-actetylglucosamine pyrophosphorylase 1 | ESTs |
| 13045 | M | 801 | AI136702 | | | ESTs |
| 13055 | E | 1054 | AI179100 | | | ESTs, Highly similar to potential membrane protein C14orf1 [H.sapiens] |
| | | | | | | ESTs, Highly similar to CBG RAT CORTICOSTEROID-BINDING GLOBULIN PRECURSOR [R.norvegicus] |
| 13088 | A,F,G | 266 | AA893495 | | | |

| Document Number 1650775 | | | | | | |
|-------------------------|-----------------|------------------------|----------------|--|--|--|
| GLGC ID | Comparison Code | Nucleotide Sequence ID | GenBank Acc ID | Pathways | Known Gene Name | Unigene Cluster Title |
| 13092 | O | 1158 | AI231547 | | HMm:FK506 binding protein 4 (59 kDa) | ESTs, Weakly similar to PPP5_RAT SERINE/THREONINE PROTEIN PHOSPHATASE 5 [R.norvegicus] |
| 13093 | B,O | 552 | AI012177 | | HMm:FK506 binding protein 4 (59 kDa) | ESTs, Weakly similar to PPP5_RAT SERINE/THREONINE PROTEIN PHOSPHATASE 5 [R.norvegicus] |
| 13166 | A,R | 1039 | AI178736 | | | ESTs |
| 13175 | E | 965 | AI176465 | | | ESTs |
| 13203 | A,C | 1096 | AI228728 | | | ESTs |
| 13229 | O | 154 | AA858760 | | | ESTs |
| 13251 | C,D,R | 1059 | AI179264 | | | ESTs, Moderately similar to LZIP-1 and LZIP-2 [M.musculus] |
| 13265 | J | 719 | AI101708 | | | ESTs |
| 13283 | A | 1598 | NM_013078 | Arginine and proline metabolism, Urea cycle and metabolism of amino groups | Ornithine carbamoyltransferase | Ornithine carbamoyltransferase |
| 13294 | D | 1220 | AI233731 | | | ESTs, Weakly similar to TCPA_RAT T-COMPLEX PROTEIN 1, ALPHA SUBUNIT [R.norvegicus] |
| 13332 | B,Q | 257 | AA893080 | | | ESTs |
| 13351 | A,H | 62 | AA818271 | | | ESTs |
| 13353 | M,N | 938 | AI175508 | | | ESTs |
| 13458 | C,D,I | 934 | AI175338 | | | ESTs |
| 13467 | C | 817 | AI138034 | Sphingoglycolipid metabolism | HHs:UDP-glucose ceramide glucosyltransferase | Rattus norvegicus UDP-glucose:ceramide glucosyltransferase mRNA, complete cds |
| 13501 | R | 957 | AI176284 | | | ESTs |
| 13534 | E | 382 | AA946187 | | | ESTs |

| TABLE 1 | | | | | |
|---------|-----------------|------------------------|----------------|----------|--|
| GLGC ID | Comparison Code | Nucleotide Sequence ID | GenBank Acc ID | Pathways | Known Gene Name |
| 13557 | B,E,L,N | 367 | AA945090 | | ESTs |
| 13568 | H | 28 | AA800169 | | ESTs |
| 13580 | K | 1030 | AI178507 | | ESTs |
| 13581 | E | 1035 | AI178602 | | ESTs |
| | | | | | ESTs, Highly similar to S26812 transcription factor ATF-4 - mouse [M.musculus] |
| 13634 | A | 1061 | AI179381 | | ESTs |
| 13640 | E,H | 814 | AI137761 | | ESTs, Highly similar to RL3_RAT 60S RIBOSOMAL PROTEIN L3 [R.norvegicus] |
| 13646 | C,D,E | 1509 | X62166 | | Rattus norvegicus serine protease gene, complete cds |
| 13684 | A,D,I | 81 | AA818770 | | ESTs, Rat alpha-crystallin B chain mRNA, complete cds |
| 13723 | D | 1419 | M55534 | | ESTs |
| 13749 | A | 1089 | AI228540 | | ESTs |
| 13757 | A | 1094 | AI228676 | | ESTs |
| 13762 | A,E | 1129 | AI230326 | | ESTs |
| 13799 | L | 947 | AI175871 | | ESTs |
| 13812 | R | 1101 | AI229167 | | ESTs |
| 13838 | R | 1111 | AI229416 | | ESTs |
| 13874 | C,D | 1117 | AI229832 | | ESTs, Weakly similar to KIAA0859 protein [H.sapiens] |
| 13895 | M | 1127 | AI230270 | | ESTs |
| 13918 | E | 569 | AI013832 | | ESTs |
| 13926 | H | 17 | AA799601 | | ESTs |
| 13932 | E,H,N | 1142 | AI230988 | | ESTs |

| TABLE 1 | | | | | | Document Number 1650775 | |
|---------|-----------------|------------------------|-----------------|---------------------|---|---|--|
| GLGC ID | Comparison Code | Nucleotide Sequence ID | GenBank Acc. ID | Pathways | Known Gene Name | Unigene Cluster Title | |
| 13949 | R | 1149 | AI231193 | | | ESTs, Moderately similar to SEC_HUMAN SEC PROTEIN [H.sapiens] | |
| 13963 | A,O | 1154 | AI231388 | | | ESTs | |
| 13967 | E | 1155 | AI231439 | | | EST | |
| 13992 | Q | 1281 | AI236679 | | | ESTs | |
| 14007 | A,E | 1166 | AI231808 | | | ESTs | |
| 14016 | F | 489 | AF026505 | | | Rattus norvegicus SH3-containing protein p4015 mRNA, complete cds | |
| 14017 | F | 211 | AA891194 | | | Rattus norvegicus SH3-containing protein p4015 mRNA, complete cds | |
| 14035 | A | 1177 | AI232328 | Tyrosine metabolism | HHs:homogentisate 1,2-dioxygenase (homogentisate oxidase) | ESTs, Highly similar to homogentisate 1,2-dioxygenase [M.musculus] | |
| 14051 | A,C,D | 1183 | AI232489 | | | ESTs, Weakly similar to PIR1 [H.sapiens] | |
| 14053 | E | 1243 | AI235046 | | | ESTs, Highly similar to DDX6_MOUSE PROBABLE ATP-DEPENDENT RNA | |
| 14074 | A | 1206 | AI233323 | | | HELICASE P54 [M.musculus] | |
| 14081 | P | 1198 | AI233164 | | | ESTs | |
| 14083 | A | 1009 | AI177181 | | | ESTs | |
| 14095 | A | 1211 | AI233468 | | | ESTs | |
| 14103 | A | 1199 | AI233172 | | | ESTs, Weakly similar to AF073727_1 EH domain-binding mitotic phosphoprotein [H.sapiens] | |
| 14116 | S | 1207 | AI233361 | | | ESTs | |
| 14118 | A | 1208 | AI233367 | | | EST | |

| TABLE 1 | | | | | | | Document Number 1650775 |
|-----------|-----------------|------------------------|----------------|----------|-----------------|---|-------------------------|
| GLGC ID | Comparison Code | Nucleotide Sequence ID | GenBank Acc ID | Pathways | Known Gene Name | Unigene Cluster Title | |
| 14258 C | | 1118 | AI229902 | | | ESTs | |
| 14264 S | | 1181 | AI232409 | | | ESTs, Weakly similar to bK126B4.2 [H.sapiens] | |
| 14266 O | | 1366 | H33842 | | | ESTs, Highly similar to phosphoprotein [M.musculus] | |
| 14303 L | | 1148 | AI231159 | | | ESTs, Highly similar to KIAA1049 protein [H.sapiens] | |
| 14312 A,E | | 1261 | AI236036 | | | ESTs, Moderately similar to UBE-1b [M.musculus] | |
| 14330 P | | 233 | AA892146 | | | ESTs | |
| 14335 E | | 1006 | AI177115 | | | ESTs | |
| 14353 A | | 171 | AA859585 | | | ESTs | |
| 14400 F,M | | 858 | AI169620 | | | ESTs | |
| 14424 A,J | | 654 | AI070421 | | | ESTs | |
| 14449 E | | 1235 | AI234152 | | | ESTs | |
| 14458 C,I | | 826 | AI145095 | | | ESTs | |
| 14462 C,D | | 703 | AI100871 | | | ESTs | |
| | | | | | | ESTs, Moderately similar to mitochondrial DNA polymerase accessory subunit [M.musculus] | |
| 14465 F | | 253 | AA892950 | | | ESTs | |
| 14491 M | | 535 | AI010147 | | | ESTs | |
| 14504 M,P | | 25 | AA799804 | | | ESTs | |
| 14506 A | | 1359 | H32584 | | | ESTs | |
| 14507 S | | 132 | AA850618 | | | ESTs, Highly similar to gp250 precursor [M.musculus] | |
| 14512 A,G | | 793 | AI112964 | | | ESTs | |
| 14584 A | | 1250 | AI235360 | | | ESTs, Moderately similar to glutathione-S-transferase homolog [M.musculus] | |

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| TABLE 1 | | | | | | |
|---------|-----------------|------------------------|----------------|----------|-----------------|---|
| GLGC ID | Comparison Code | Nucleotide Sequence ID | GenBank Acc ID | Pathways | Known Gene Name | Unigene Cluster Title |
| 14595 | S | 232 | AA892128 | | | ESTs |
| 14600 | E,R | 38 | AA801076 | | | ESTs |
| 14619 | C,D | 1290 | AI236989 | | | ESTs |
| 14638 | E | 803 | AI137049 | | | ESTs, Moderately similar to Nibrin [M.musculus] |
| 14693 | A,C,D | 1240 | AI234830 | | | ESTs, Weakly similar to ORF YKR081c [S.cerevisiae] |
| 14738 | N,O | 997 | AI176993 | | | ESTs |
| 14746 | A | 1252 | AI235584 | | | ESTs, Moderately similar to KIAA0922 protein [H.sapiens] |
| 14767 | A | 1256 | AI235895 | | | ESTs |
| 14776 | A,E,N | 1258 | AI235950 | | | ESTs |
| 14840 | K | 1301 | AI237698 | | | ESTs |
| 14869 | A | 1264 | AI236089 | | | ESTs, Weakly similar to /prediction |
| 14882 | S | 1324 | D00362 | | Esterase 2 | Esterase 2 |
| 14913 | L,R | 1274 | AI236461 | | | ESTs |
| 14937 | A,E | 1293 | AI237159 | | | ESTs, Highly similar to lipoic acid synthetase [H.sapiens] |
| 14939 | C,D | 1090 | AI228557 | | | ESTs |
| 14958 | N | 105 | AA819744 | | | ESTs |
| 14959 | I | 1444 | U03390 | | | Rattus norvegicus Sprague Dawley protein kinase C receptor mRNA, complete cds |
| 14960 | A,G,O | 897 | AI171319 | | | ESTs, Highly similar to integrase interactor 1a protein [M.musculus], Rattus norvegicus Sprague Dawley protein kinase C receptor mRNA, complete cds |

| TABLE 1 | | | | | | | Document Number 1650775 |
|---------|-----------------|------------------------|----------------|--|--|---|-------------------------|
| GLGC ID | Comparison Code | Nucleotide Sequence ID | GenBank Acc ID | Pathways | Known Gene Name | Unigene Cluster Title | |
| 14962 | A,C,D | 845 | AI169171 | | | ESTs, Highly similar to ENHANCER OF RUDIMENTARY HOMOLOG [M.musculus] | |
| 14970 | G | 218 | AA891738 | Sulfur metabolism | HHs:sulfite oxidase | Rattus norvegicus sulfite oxidase mRNA, complete cds | |
| 14989 | O | 1012 | AI177366 | | Integrin, beta 1 | Integrin, beta 1 | |
| 14996 | A,N | 1597 | NM_013059 | Folate biosynthesis, Glycerolipid metabolism | Tissue-nonspecific ALP alkaline phosphatase | Tissue-nonspecific ALP alkaline phosphatase | |
| 14997 | A,E,N,O | 1597 | NM_013059 | Folate biosynthesis, Glycerolipid metabolism | Tissue-nonspecific ALP alkaline phosphatase | Tissue-nonspecific ALP alkaline phosphatase | |
| 15002 | F | 851 | AI169327 | | | Rattus norvegicus tissue inhibitor of metalloproteinase-1 (TIMP1), mRNA, complete cds | |
| 15003 | F | 851 | AI169327 | | | Rattus norvegicus tissue inhibitor of metalloproteinase-1 (TIMP1), mRNA, complete cds | |
| 15004 | A | 1244 | AI235224 | | | Rattus norvegicus tissue inhibitor of metalloproteinase-1 (TIMP1), mRNA, complete cds | |
| 15015 | S | 961 | AI176363 | | | ESTs | |
| 15016 | A | 925 | AI172285 | | | ESTs | |
| 15018 | E,S | 430 | AA964688 | | | ESTs | |
| 15029 | A,C,D,E,P | 878 | AI170696 | | | ESTs, Weakly similar to development-related protein [R.norvegicus] | |
| 15030 | L | 113 | AA848378 | | | ESTs | |
| 15032 | A,D | 1576 | NM_012816 | | Methylacyl-CoA racemase alpha | Methylacyl-CoA racemase alpha | |
| 15051 | J,R | 1271 | AI236332 | Arginine and proline metabolism | Spermidine / spermine N1-acyltransferase (diamine acetyltransferase) | ESTs, Highly similar to ATDA_MOUSE DIAMINE ACETYLTRANSFERASE [M.musculus] | |

| TABLE 1 | | | | | | Document Number 1650776 | |
|---------|-----------------|------------------------|----------------|---|---|--|--|
| GLGC ID | Comparison Code | Nucleotide Sequence ID | GenBank Acc ID | Pathways | Known Gene Name | Unigene Cluster Title | |
| 15055 | A | 1463 | U48220 | Fatty acid metabolism, Tryptophan metabolism | HHs:cytochrome P450, subfamily IID (debrisoquine, sparteine, etc., - metabolizing), polypeptide 6 | Rattus norvegicus cytochrome P450 2D18 mRNA, complete cds | |
| 15057 | O | 1675 | NM_019291 | Nitrogen metabolism | carbonic anhydrase 2 | carbonic anhydrase 2 | |
| 15070 | H | 1081 | AI180442 | Sterol biosynthesis | HHs:farnesyl diphosphate synthase (farnesyl pyrophosphate synthetase, dimethylallyltransferase, geranyltransferase) | Rat testis-specific farnesyl pyrophosphate synthetase mRNA, complete cds | |
| 15080 | A | 724 | AI102045 | | | ESTs, Highly similar to OS-4 protein [H.sapiens] | |
| 15089 | F | 530 | AI009752 | | | ESTs | |
| 15091 | J | 1040 | AI178740 | | YY1 transcription factor | ESTs | |
| 15097 | L,O | 1548 | NM_012588 | | Insulin-like growth factor-binding protein (IGF-BP3) | Insulin-like growth factor-binding protein (IGF-BP3) | |
| 15113 | A,G | 941 | AI175590 | | | ESTs, Highly similar to dJ1118D24.1c [H.sapiens] | |
| 15116 | P | 190 | AA874928 | | | ESTs, Highly similar to sorting nexin 4 [H.sapiens] | |
| 15121 | E | 746 | AI103159 | | | Rattus norvegicus interferon-inducible protein 16 mRNA, complete cds | |
| 15122 | E | 1176 | AI232303 | | | ESTs, Weakly similar to Sid1669p [M.musculus] | |
| 15127 | B,K | 1434 | S56937 | Androgen and estrogen metabolism, Pentose and glucuronate interconversions, Porphyrin and chlorophyll metabolism, Starch and sucrose metabolism | UDP-glucuronosyltransferase 1 family, member 1 | Rattus norvegicus UDP-glucuronosyltransferase (UGT1.1) gene, complete cds, Rattus norvegicus UDP-glucuronosyltransferase UGT1A7 mRNA, complete cds, UDP-glucuronosyltransferase 1 family, member 1 | |

| TABLE 1 | | | | | | | Document Number 1650775 |
|---------|-----------------|------------------------|----------------|----------|--|--|-------------------------|
| GLGC ID | Comparison Code | Nucleotide Sequence ID | GenBank Acc ID | Pathways | Known Gene Name | Unigene Cluster Title | |
| 15382 | A,J | 926 | AI172302 | | | ESTs, Weakly similar to S43056 hypothetical protein - mouse [M.musculus] | |
| 15391 | K | 534 | AI010083 | | | Rat mRNA for HBP23 (heme-binding protein 23 kDa), complete cds | |
| 15398 | C | 1277 | AI236566 | | | ESTs | |
| 15433 | L | 1641 | NM_017187 | | high mobility group protein 2 | high mobility group protein 2 | |
| 15441 | K | 834 | AI146216 | | | EST | |
| 15462 | G | 1447 | U06230 | | | Rattus norvegicus protein S mRNA, partial cds | |
| 15467 | H | 1265 | AI236106 | | | ESTs | |
| 15480 | F | 201 | AA875362 | | | ESTs | |
| 15490 | J | 1107 | AI229253 | | | Rattus norvegicus zinc finger protein (pMLZ-4) mRNA, 3' untranslated region | |
| 15491 | H | 979 | AI176642 | | | ESTs | |
| 15500 | K | 1110 | AI229337 | | | ESTs | |
| 15503 | P | 1668 | NM_019237 | | procollagen C-proteinase enhancer protein | procollagen C-proteinase enhancer protein | |
| 15504 | M,P | 1668 | NM_019237 | | procollagen C-proteinase enhancer protein | procollagen C-proteinase enhancer protein | |
| 15519 | A | 1036 | AI178629 | | Proteasome (prosome, macropain) subunit, beta type, 8 (low molecular mass polypeptide 7) | ESTs, Highly similar to PRCY_RAT PROTEASOME COMPONENT C13 PRECURSOR [R.norvegicus] | |
| 15534 | O | 955 | AI176266 | | | ESTs | |
| 15535 | F | 1653 | NM_017283 | | proteasome (prosome, macropain) subunit, alpha type 6 | proteasome (prosome, macropain) subunit, alpha type 6 | |
| 15543 | D,I | 1163 | AI231800 | | | ESTs | |

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| GLGC ID | Comparison Code | Nucleotide Sequence ID | GenBank Acc. ID | Pathways | Known Gene Name | Unigene Cluster Title |
|---------|-----------------|------------------------|-----------------|--|--|---|
| 15551 | R | 1138 | AI230759 | | | ESTs, Moderately similar to ornithine decarboxylase antizyme 2 [M.musculus] |
| 15558 | J | 204 | AA875537 | | | ESTs |
| 15571 | G | 1413 | M27207 | | procollagen, type I, alpha 1 | R.norvegicus mRNA for collagen alpha1 type I |
| 15606 | B,N | 356 | AA944401 | | | ESTs |
| 15612 | A | 1618 | NM_016987 | Citrate cycle (TCA cycle) | ATP citrate lyase | ATP citrate lyase |
| 15616 | J | 1562 | NM_012699 | | Microvascular endothelial differentiation gene 1 | Microvascular endothelial differentiation gene 1 |
| 15617 | J | 205 | AA875620 | | | ESTs |
| 15634 | H | 1546 | NM_012576 | | Glucocorticoid receptor | Glucocorticoid receptor |
| 15642 | A | 1016 | AI177503 | | | R.norvegicus mRNA for histone H3.3 |
| 15645 | K | 879 | AI170709 | | | R.norvegicus mRNA for histone H3.3 |
| 15647 | A,J | 488 | AF025424 | Purine metabolism, Pyrimidine metabolism | HMM:RNA polymerase 1-2 (128 kDa subunit) | Rattus norvegicus RNA polymerase I 127 kDa subunit mRNA, complete cds |
| 15655 | I,L | 733 | AI102739 | | | ESTs |
| 15663 | D,R | 940 | AI175566 | | | Rattus norvegicus mRNA for Tctex-1, complete cds |
| 15672 | S | 281 | AA900009 | | | Rat mRNA for 5E5 antigen, complete cds |
| 15673 | G | 921 | AI172107 | | | Rat mRNA for 5E5 antigen, complete cds |
| 15700 | A,D | 479 | AB010466 | | | Rattus norvegicus mRNA for multidrug resistance-associated protein (MRP)-like protein-1 (MLP-1), complete cds |
| 15701 | F,G | 1645 | NM_017220 | | | Rattus norvegicus mRNA for multidrug resistance-associated protein (MRP)-like protein-2 (MLP-2), complete cds |

| TABLE 1 | | | | | | Document Number 1650775 | |
|---------|-----------------|------------------------|----------------|--|---|--|--|
| GLGC ID | Comparison Code | Nucleotide Sequence ID | GenBank Acc ID | Pathways | Known Gene Name | Unigene Cluster Title | |
| 16169 | E | 598 | AI030932 | | | ESTs, Moderately similar to adipophilin [H.sapiens] | |
| 16172 | A | 1179 | AI232341 | | | ESTs, Weakly similar to C13B9.2 [C.elegans] | |
| 16173 | M,P | 408 | AA957003 | | | Rattus norvegicus intercellular calcium-binding protein (MRP8) mRNA, complete cds | |
| 16190 | A,S | 757 | AI104482 | | | ESTs, Weakly similar to ECHM_RAT ENOYL-COA HYDRATASE, MITOCHONDRIAL PRECURSOR [R.norvegicus] | |
| 16205 | L | 1488 | X06423 | | | Rat mRNA for ribosomal protein S8 | |
| 16215 | H | 192 | AA874999 | | | ESTs, Moderately similar to AF133910_1 ARL-6 interacting protein-3 [M.musculus] | |
| 16219 | G | 1557 | NM_012656 | | Secreted acidic cystein-rich glycoprotein (osteonectin) | Secreted acidic cystein-rich glycoprotein (osteonectin) | |
| 16240 | M | 166 | AA859342 | | | ESTs, Moderately similar to DHB2_RAT ESTRADIOL 17 BETA-DEHYDROGENASE 2 [R.norvegicus] | |
| 16251 | E,Q | 347 | AA944077 | | Solute carrier family 2 a 1 (facilitated glucose transporter) brain | Rat brain glucose-transporter protein mRNA, complete cds | |
| 16278 | E,K | 1338 | D38381 | Fatty acid metabolism, Tryptophan metabolism | Hsp:CYTOCHROME P450 3A18 | R.norvegicus CYP3 mRNA | |
| 16283 | O | 1667 | NM_019229 | | solute carrier family 12, member 4 | solute carrier family 12, member 4 | |
| 16312 | A | 193 | AA875032 | | | ESTs | |
| 16314 | A | 167 | AA859348 | | | ESTs | |
| 16317 | B | 194 | AA875041 | | | ESTs, Moderately similar to AF123655_1 FEZ1 [H.sapiens] | |

| TABLE 1 | | | | | | | Document Number 1650775 |
|---------|-----------------|------------------------|----------------|---------------------|---|--|-------------------------|
| GLGC ID | Comparison Code | Nucleotide Sequence ID | GenBank Acc.ID | Pathways | Known Gene Name | Unigene Cluster Title | |
| 16318 | J | 174 | AA859648 | | | ESTs, Weakly similar to DnaJ homolog 2 [R.norvegicus] | |
| 16319 | K | 195 | AA875047 | | | ESTs, Highly similar to TCPZ_MOUSE T | |
| 16321 | C | 1157 | AI231506 | | | COMPLEX PROTEIN 1, ZETA | |
| 16323 | S | 184 | AA866240 | | | SUBUNIT [M.musculus] | |
| 16324 | A | 722 | AI102009 | | | ESTs | |
| | | | | | | EST | |
| | | | | | | ESTs | |
| | | | | | | ESTs, Weakly similar to choline/ethanolamine kinase [R.norvegicus] | |
| 16327 | A,O | 196 | AA875050 | | | | |
| | | | | | Hsp:ARYLAMINE N-ACETYLTRANSFERASE 1 | Rattus norvegicus clone A-2 arylamine N acetyltransferase mRNA, complete cds | |
| 16361 | H | 1442 | U01344 | | | R.norvegicus mRNA for V1a arginine vasopressin receptor | |
| 16364 | A,H | 235 | AA892251 | | | EST | |
| 16366 | P | 250 | AA892888 | | | EST | |
| 16367 | P | 250 | AA892888 | | | ESTs | |
| 16408 | F | 145 | AA852027 | | | ESTs | |
| 16409 | S | 145 | AA852027 | | | ESTs | |
| | | | | | | ESTs, Highly similar to SMD2_HUMAN SMALL NUCLEAR RIBONUCLEOPROTEIN SM D2 [H.sapiens] | |
| 16438 | I | 958 | AI176294 | | | ESTs | |
| 16446 | A | 214 | AA891423 | | | farnesyl diphosphate farnesyl transferase 1 | |
| 16449 | H | 1669 | NM_019238 | Sterol biosynthesis | farnesyl diphosphate farnesyl transferase 1 | farnesyl diphosphate farnesyl transferase 1 | |
| 16458 | B,Q | 362 | AA944956 | | | ESTs | |

| TABLE 1 | | | | | | | Document Number 1650775 | |
|---------|-----------------|------------------------|----------------|---------------------------------|---|---|-------------------------|--|
| GLGC ID | Comparison Code | Nucleotide Sequence ID | GenBank Acc ID | Pathways | Known Gene Name | Unigene Cluster Title | | |
| 16683 | I | 1596 | NM_013052 | | Tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, eta polypeptide | Tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, eta polypeptide | | |
| 16684 | I,O | 1596 | NM_013052 | | Tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, eta polypeptide | Tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, eta polypeptide | | |
| 16688 | L | 870 | AI170327 | | | ESTs | | |
| 16700 | A,E,S | 517 | AI008838 | | | ESTs, Weakly similar to LONN_HUMAN MITOCHONDRIAL LON PROTEASE HOMOLOG PRECURSOR [H.sapiens] | | |
| 16701 | A | 517 | AI008838 | | | ESTs, Weakly similar to LONN_HUMAN MITOCHONDRIAL LON PROTEASE HOMOLOG PRECURSOR [H.sapiens] | | |
| 16703 | A,C,O | 1060 | AI179300 | | | ESTs, Weakly similar to LONN_HUMAN MITOCHONDRIAL LON PROTEASE HOMOLOG PRECURSOR [H.sapiens] | | |
| 16704 | S | 4 | AA686132 | | | ESTs, Weakly similar to LONN_HUMAN MITOCHONDRIAL LON PROTEASE HOMOLOG PRECURSOR [H.sapiens] | | |
| 16726 | A | 1427 | M86235 | Fructose and mannose metabolism | Hsp:KETOHEXOKINASE | Rat ketohexokinase mRNA, complete cds | | |
| 16728 | H | 1020 | AI177885 | | | ESTs | | |

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|-------------------------|---------|-----------------|------------------------|----------------|--|--|
| TABLE 1 | GLGC ID | Comparison Code | Nucleotide Sequence ID | GenBank Acc ID | Pathways | Known Gene Name |
| | | | | | | Unigene Cluster Title |
| 16730 | A,I | | 23 | AA799766 | | ESTs, Moderately similar to JTV1_HUMAN JTV-1 PROTEIN [H.sapiens] |
| 16747 | L | | 336 | AA943131 | | ESTs |
| 16756 | C,D | | 52 | AA818089 | | ESTs, Highly similar to glycyl-tRNA synthetase [H.sapiens] |
| 16765 | A | | 632 | AI058319 | | ESTs |
| 16766 | A | | 682 | AI072137 | | ESTs |
| 16768 | N | | 1331 | D16478 | Butanoate metabolism, Fatty acid biosynthesis (path 2), Fatty acid metabolism, Lysine degradation, Propanoate metabolism, Tryptophan metabolism, Valine, leucine and isoleucine degradation, beta-Alanine metabolism | Rat mRNA for mitochondrial long-chain enoyl-CoA hydratase/3-hydroxyacyl-CoA dehydrogenase alpha-subunit of mitochondrial trifunctional protein, complete cds |
| 16780 | E,K | | 1510 | X62660 | | ESTs, Highly similar to glutathione transferase [R.norvegicus] |
| 16783 | L,O | | 553 | AI012215 | | ESTs, Weakly similar to nonmuscle myosin heavy chain-A [R.norvegicus] |
| 16809 | B,O,Q | | 1503 | X58828 | | Rat PTP-S mRNA for protein-tyrosine phosphatase |
| 16825 | J | | 245 | AA892602 | | ESTs |
| 16854 | I | | 188 | AA866454 | | Rat alpha-2(I) promoter |
| 16859 | A,C,N | | 1283 | AI236753 | | ESTs |

| TABLE 1 | | | | | | | Document Number 1650775 |
|---------|-----------------|------------------------|----------------|---|--|---|-------------------------|
| GLGC ID | Comparison Code | Nucleotide Sequence ID | GenBank Acc ID | Pathways | Known Gene Name | Unigene Cluster Title | |
| 16871 | H | 1583 | NM_012887 | | Thymopoietin (lamina associated polypeptide 2) | Thymopoietin (lamina associated polypeptide 2) | |
| 16879 | A,E,F | 848 | AI169284 | | | ESTs | |
| 16883 | A,C,D,I | 446 | AA997345 | | | ESTs, Weakly similar to nitrilase homolog 1 [M.musculus] | |
| 16884 | B,E | 754 | AI103758 | Arginine and proline metabolism, Ascorbate and aldarate metabolism, Bile acid biosynthesis, Butanoate metabolism, Fatty acid metabolism, Glycerolipid metabolism, Histidine metabolism, Lysine degradation, Propanoate metabolism, Pyruvate metabolism, Tryptophan metabolism | | | |
| | | | | HHs:aldehyde dehydrogenase 9 (gamma-aminobutyraldehyde dehydrogenase, E3 isozyme) | | Rattus norvegicus 4-trimethylaminobutyraldehyde dehydrogenase (Tmabdh) mRNA, complete cds | |
| 16885 | A,B,E,Q | 773 | AI105188 | Arginine and proline metabolism, Ascorbate and aldarate metabolism, Bile acid biosynthesis, Butanoate metabolism, Fatty acid metabolism, Glycerolipid metabolism, Histidine metabolism, Lysine degradation, Propanoate metabolism, Pyruvate metabolism, Tryptophan metabolism | | | |
| | | | | HHs:aldehyde dehydrogenase 9 (gamma-aminobutyraldehyde dehydrogenase, E3 isozyme) | | Rattus norvegicus 4-trimethylaminobutyraldehyde dehydrogenase (Tmabdh) mRNA, complete cds | |

| TABLE 1 | | | | | Document Number 1650775 | |
|---------|-----------------|------------------------|-----------------|---|--|---|
| GLGC ID | Comparison Code | Nucleotide Sequence ID | GenBank Acc. ID | Pathways | Known Gene Name | Unigene Cluster Title |
| 16894 | O | 144 | AA852018 | | | ESTs, Moderately similar to AF097362_1 gamma-interferon inducible lysosomal thiol reductase [H.sapiens] |
| 16944 | S | 320 | AA925541 | | | ESTs, Highly similar to protein L [M.musculus] |
| 16945 | S | 320 | AA925541 | | | ESTs, Highly similar to protein L [M.musculus] |
| 16947 | E | 1572 | NM_012793 | Arginine and proline metabolism, Glycine, serine and threonine metabolism, Urea cycle and metabolism of amino groups | Guanidinoacetate methyltransferase | Guanidinoacetate methyltransferase |
| 16958 | G | 92 | AA819021 | | | EST |
| 16961 | P | 1058 | AI179236 | | | ESTs |
| 16982 | A | 1608 | NM_013144 | | Insulin-like growth factor binding protein 1 | Insulin-like growth factor binding protein 1 |
| 16993 | A | 14 | AA799560 | | | ESTs |
| 17027 | A,E | 877 | AI170679 | Galactose metabolism, Nucleotide sugars metabolism, Pentose and glucuronate interconversions, Starch and sucrose metabolism | HHs: UDP-glucose pyrophosphorylase 2 | ESTs, Highly similar to UDP1_HUMAN UTP--GLUCOSE-1-PHOSPHATE URIDYL TRANSFERASE 1 [H.sapiens] |
| 17049 | A | 929 | AI172417 | | | ESTs, Weakly similar to Similarity to B. subtilis YQJC protein [C.elegans] |
| 17064 | I | 1660 | NM_019170 | Prostaglandin and leukotriene metabolism | carbonyl reductase | carbonyl reductase |

| TABLE 1 | | | | | Document Number 1650775 | |
|---------|-----------------|------------------------|----------------|--|---------------------------|--|
| GLGC ID | Comparison Code | Nucleotide Sequence ID | GenBank Acc ID | Pathways | Known Gene Name | Unigene Cluster Title |
| 17090 | G,K | 1474 | U73174 | Glutamate metabolism, Glutathione metabolism | IHs:glutathione reductase | Rattus norvegicus glutathione reductase mRNA, complete cds |
| 17091 | G,K | 1474 | U73174 | Glutamate metabolism, Glutathione metabolism | IHs:glutathione reductase | Rattus norvegicus glutathione reductase mRNA, complete cds |
| 17092 | K | 259 | AA893189 | Glutamate metabolism, Glutathione metabolism | IHs:glutathione reductase | Rattus norvegicus glutathione reductase mRNA, complete cds |
| 17107 | E | 1638 | NM_017160 | | ribosomal protein S6 | ribosomal protein S6 |
| 17117 | K | 1085 | A1228042 | | | ESTs, Weakly similar to AC007080_2 NG38 [M.musculus] |
| 17154 | A | 1407 | M15883 | | | Rat clathrin light chain (LCB2) mRNA, complete cds,Rat clathrin light chain (LCB3) mRNA, complete cds |
| 17157 | I | 326 | AA926129 | | | ESTs, Highly similar to AF168795_1 schlafen-4 [R.norvegicus] |
| 17158 | H | 1699 | NM_022298 | | | Rat mRNA encoding alpha-tubulin |
| 17167 | M | 566 | A1013690 | | | ESTs |
| 17175 | A | 1501 | X58389 | | | R.norvegicus ASI mRNA for mammalian equivalent of bacterial large ribosomal subunit protein L22 |
| 17225 | A,I | 215 | AA891553 | | | ESTs, Highly similar to eIF3 p66 [M.musculus] |
| 17256 | A | 219 | AA891739 | | | ESTs, Weakly similar to p60 protein [R.norvegicus] |
| 17257 | E,R | 1568 | NM_012766 | | Cyclin D3 | Cyclin D3 |
| 17258 | P | 1568 | NM_012766 | | Cyclin D3 | Cyclin D3 |
| 17261 | R | 1568 | NM_012766 | | Cyclin D3 | Cyclin D3 |
| 17277 | B,P,Q | 523 | A1009338 | | | Rattus norvegicus glycine-, glutamate-, thienylcyclohexylpiperidine-binding protein mRNA, complete cds |

| TABLE 1 | | | | | Document Number 1650775 | |
|---------|-----------------|------------------------|----------------|--|---|---|
| GLGC ID | Comparison Code | Nucleotide Sequence ID | GenBank Acc ID | Pathways | Known Gene Name | Unigene Cluster Title |
| 17281 | M,P | 1450 | U10697 | | Hsp:LIVER CARBOXYLESTERASE 4 PRECURSOR | R.norvegicus mRNA for pl esterase (ES-4) |
| 17291 | E | 931 | AI172491 | Citrate cycle (TCA cycle), Glutathione metabolism | HHs:isocitrate dehydrogenase 2 (NADP+), mitochondrial | ESTs, Weakly similar to IDHC_RAT ISOCITRATE DEHYDROGENASE [R.norvegicus] |
| 17324 | A | 1686 | NM_021593 | | | Rattus norvegicus kynurenine 3-hydroxylase mRNA, complete cds |
| 17334 | A | 151 | AA858704 | | | ESTs, Highly similar to responsible for hereditary multiple exotosis [M.musculus] |
| 17335 | A | 732 | AI102634 | | | ESTs, Weakly similar to W06B4.2 [C.elegans] |
| 17337 | J | 472 | AB000717 | Methionine metabolism, Selenoamino acid metabolism | HHs:methionine adenosyltransferase II, alpha | ESTs |
| 17339 | A | 123 | AA849497 | | | ESTs |
| 17340 | A,E | 507 | AI007803 | | | Rattus norvegicus ERM-binding phosphoprotein mRNA, complete cds |
| 17368 | E,R | 284 | AA900548 | | | ESTs |
| 17369 | C,I,P | 812 | AI137572 | | | ESTs |
| 17377 | A | 1491 | X13058 | | Tumor protein p53 (Li-Fraumeni syndrome) | Rat mRNA for nuclear oncoprotein p53 |
| 17393 | A,O | 1377 | J04943 | | Nucleoplasmin-related protein (Nuclear protein B23) | Nucleoplasmin-related protein (Nuclear protein B23) |
| 17400 | E | 744 | AI103097 | | | ESTs, Highly similar to ATPK_MOUSE ATP SYNTHASE F CHAIN, MITOCHONDRIAL [M.musculus] |
| 17401 | A | 1595 | NM_013043 | | Transforming growth factor beta stimulated clone 22 | Transforming growth factor beta stimulated clone 22 |

| TABLE 1 | | | | | | | Document Number 1650775 |
|-----------|-----------------|------------------------|-----------------|----------|-----------------|---|-------------------------|
| GLGC ID | Comparison Code | Nucleotide Sequence ID | GenBank Acc. ID | Pathways | Known Gene Name | Unigene Cluster Title | |
| | | | | | | ESTs, Highly similar to DHYS_HUMAN DEOXYHYPPUSINE SYNTHASE [H.sapiens] | |
| 17451 E | | 806 | AI137356 | | | ESTs | |
| 17479 R | | 827 | AI145385 | | | R.norvegicus mRNA for RT1.Ma | |
| 17481 E | | 1529 | Z49761 | | | ESTs | |
| 17496 A | | 325 | AA926109 | | | Rattus norvegicus sodium-dependent high-affinity dicarboxylate transporter (NADC3) mRNA, complete cds | |
| 17500 I,P | | 1713 | NM_022866 | | | ESTs | |
| 17506 L | | 649 | AI070068 | | | iron-responsive element-binding protein | |
| 17516 O | | 1739 | NM_017321 | | | ESTs | |
| 17524 A | | 539 | AI010568 | | | Epoxide hydrolase 1 (microsomal xenobiotic hydrolase) | |
| 17541 G,K | | 1580 | NM_012844 | | | Rattus norvegicus mRNA for hnRNP protein, partial | |
| 17571 H,I | | 1276 | AI236484 | | | Rattus norvegicus mRNA for hnRNP protein, partial | |
| 17572 E | | 71 | AA818524 | | | ESTs | |
| 17589 A | | 248 | AA892851 | | | ESTs | |
| 17590 F | | 248 | AA892851 | | | ESTs | |
| 17591 A | | 898 | AI171354 | | | ESTs | |
| 17613 O | | 10 | AA799511 | | | ESTs, Weakly similar to FKB1_RAT FK506-BINDING PROTEIN [R.norvegicus] | |
| 17617 E | | 1269 | AI236301 | | | ESTs | |
| 17644 R | | 293 | AA924036 | | | ESTs | |
| 17664 B,Q | | 1238 | AI234496 | | | ESTs | |

| TABLE 1 | | | | | Document Number 1650775 | |
|---------|-----------------|------------------------|----------------|--|--|---|
| GLGC ID | Comparison Code | Nucleotide Sequence ID | GenBank Acc ID | Pathways | Known Gene Name | Unigene Cluster Title |
| 17672 | N | 1123 | AI230074 | Oxidative phosphorylation, Ubiquinone biosynthesis | Hm:NADH ubiquinone oxidoreductase subunit MWFE | ESTs, Highly similar to NIMM_MOUSE NADH-UBIQUINONE OXIDOREDUCTASE MWFE SUBUNIT [M.musculus] |
| 17677 | E | 683 | AI072246 | | | ESTs |
| 17683 | N | 700 | AI073257 | | | ESTs |
| 17684 | G | 236 | AA892345 | | | Rat mRNA for dimethylglycine dehydrogenase (EC number 1.5.99.2) |
| 17685 | K | 797 | AI113055 | | | EST |
| 17687 | C | 12 | AA799531 | | | ESTs, Weakly similar to predicted using Genefinder [C.elegans] |
| 17688 | A | 12 | AA799531 | | | ESTs, Weakly similar to predicted using Genefinder [C.elegans] |
| 17695 | N | 1192 | AI232784 | | | ESTs, Weakly similar to putative peroxisomal 2,4-dienoyl-CoA reductase [R.norvegicus] |
| 17699 | O | 135 | AA851233 | | | ESTs, Weakly similar to NG28 [M.musculus] |
| 17709 | A | 1456 | U24489 | | Tenascin X | Tenascin X |
| 17730 | G | 1709 | NM_022697 | | | Rat mRNA for ribosomal protein L28 |
| 17734 | C,D | 466 | AA998683 | | | ESTs, Rattus norvegicus heat shock protein 27 (hsp 27) gene, complete cds |
| 17735 | C,D,J | 981 | AI176658 | | | ESTs, Rattus norvegicus heat shock protein 27 (hsp 27) gene, complete cds |
| 17736 | C,D | 1428 | M86389 | | | ESTs, Rattus norvegicus heat shock protein 27 (hsp 27) gene, complete cds |
| 17747 | E | 1236 | AI234223 | | | ESTs, Highly similar to cellular apoptosis susceptibility protein [H.sapiens] |

| TABLE 1 | | | | | Document Number 1650775 | |
|---------|-----------------|------------------------|----------------|---|--|---|
| GLGC ID | Comparison Code | Nucleotide Sequence ID | GenBank Acc ID | Pathways | Known Gene Name | Unigene Cluster Title |
| 17812 | A,E | 841 | AI169075 | Glutathione metabolism, Tyrosine metabolism | Hm:glutathione transferase zeta 1 (maleylacetoacetate isomerase) | ESTs |
| 17819 | A | 891 | AI171095 | | | ESTs, Highly similar to unknown [H.sapiens] |
| 17844 | A,E | 398 | AA955927 | | | ESTs |
| 17847 | A | 1025 | AI178214 | | | ESTs |
| 17850 | A | 734 | AI102750 | | | ESTs, Weakly similar to TCPA_RAT T-COMPLEX PROTEIN 1, ALPHA SUBUNIT [R.norvegicus] |
| 17854 | Q | 1490 | X13016 | | | Rat mRNA for MRC OX-45 surface antigen |
| 17894 | E,F | 1594 | NM_013027 | | Selenoprotein W muscle 1 | Selenoprotein W muscle 1 |
| 17908 | A,J | 1670 | NM_019242 | | interferon-related developmental regulator 1 | interferon-related developmental regulator 1 |
| 17935 | S | 289 | AA901006 | | | Rattus norvegicus membrane interacting protein of RGS16 (Mir16) mRNA, complete cds |
| 17950 | Q | 1278 | AI236590 | | myeloid differentiation primary response gene 88 | ESTs |
| 17955 | L | 590 | AI030069 | | | ESTs |
| 17956 | I | 427 | AA964379 | | adaptor-related protein complex AP-1, beta 1 subunit | adaptor-related protein complex AP-1, beta 1 subunit |
| 17982 | A | 1727 | NM_017010 | | Glutamate receptor, ionotropic, N-methyl D-aspartate 1 | Glutamate receptor, ionotropic, N-methyl D-aspartate 1, Rat N-methyl-D-aspartate receptor (NMDAR1) gene, first exon |

| TABLE 1 | | | | | | Document Number 1650775 | |
|-------------|-----------------|------------------------|----------------|----------|--|--|--|
| GLGC ID | Comparison Code | Nucleotide Sequence ID | GenBank Acc.ID | Pathways | Known Gene Name | Unigene Cluster Title | |
| 18001 A | | 149 | AA858573 | | | ESTs, Highly similar to SP24_RAT SECRETED PHOSPHOPROTEIN 24 [R.norvegicus], Rattus norvegicus spp-24 precursor mRNA, partial cds | |
| 18002 A,D,E | | 600 | AI043655 | | | ESTs, Highly similar to SP24_RAT SECRETED PHOSPHOPROTEIN 24 [R.norvegicus], Rattus norvegicus spp-24 precursor mRNA, partial cds | |
| 18028 G | | 1337 | D38062 | | | Rattus norvegicus UDP-glucuronosyltransferase UGT1A7 mRNA, complete cds | |
| 18029 S | | 1418 | M38759 | | Sex hormone binding globulin or androgen-binding protein | Sex hormone binding globulin or androgen-binding protein | |
| 18043 J | | 487 | AF020618 | | | Rattus norvegicus progression elevated gene 3 protein mRNA, complete cds | |
| 18046 I | | 500 | AF072892 | | | Rattus norvegicus versican V0 isoform mRNA, partial cds, Rattus norvegicus versican V3 isoform precursor, mRNA, complete cds | |
| 18082 S | | 478 | AB010429 | | | R.norvegicus mRNA for mitochondrial very-long-chain acyl-CoA thioesterase | |
| 18083 S | | 1524 | Y09333 | | Hsp:ACYL COENZYME A THIOESTER HYDROLASE, MITOCHONDRIAL PRECURSOR | R.norvegicus mRNA for mitochondrial very-long-chain acyl-CoA thioesterase | |
| 18099 G | | 1604 | NM_013119 | | | ESTs, Highly similar to A60054 sodium channel protein IIb, long form - rat [R.norvegicus] | |
| 18107 I | | 1717 | NM_022949 | | | R.norvegicus mRNA for ribosomal protein L14 | |

| TABLE 1 | | | | | Document Number 1650775 | |
|---------|-----------------|------------------------|----------------|----------|------------------------------|---|
| GLGC ID | Comparison Code | Nucleotide Sequence ID | GenBank Acc ID | Pathways | Known Gene Name | Unigene Cluster Title |
| 18109 A | | 1577 | NM_012823 | | Annexin III (Lipocortin III) | ESTs, Weakly similar to LURT3 annexin III - rat [R.norvegicus] |
| 18115 A | | 31 | AA800339 | | | ESTs |
| 18125 S | | 515 | AI008787 | | | ESTs |
| 18136 H | | 737 | AI102820 | | | ESTs |
| 18141 O | | 1014 | AI177413 | | ATP synthase subunit d | ATP synthase subunit d, ESTs, Weakly similar to myo-inositol-1-phosphate synthase [D.melanogaster] |
| 18203 P | | 1584 | NM_012891 | | | ESTs, Highly similar to ACDV_RAT ACYL-COA DEHYDROGENASE, VERY-LONG-CHAIN SPECIFIC, MITOCHONDRIAL PRECURSOR [R.norvegicus] |
| 18235 L | | 758 | AI104523 | | | ESTs |
| 18237 Q | | 1065 | AI179539 | | | ESTs, Highly similar to CDC45L [M.musculus] |
| 18259 J | | 1280 | AI236601 | | | ESTs |
| 18272 B | | 6 | AA799294 | | | ESTs, Moderately similar to KIAA0740 protein [H.sapiens] |
| 18280 L | | 384 | AA946361 | | | ESTs, Highly similar to Ring3 [M.musculus] |
| 18285 R | | 341 | AA943791 | | | ESTs |
| 18316 K | | 499 | AF072411 | | | Rattus norvegicus FAT mRNA, complete cds |
| 18318 S | | 385 | AA946368 | | | Rattus norvegicus FAT mRNA, complete cds |
| 18323 E | | 556 | AI012498 | | | ESTs |
| 18349 J | | 22 | AA799744 | | | ESTs |

| TABLE 1 | | | | | Document Number 1650775 | |
|-------------|-----------------|------------------------|-----------------|--|--------------------------|--|
| GLGC ID | Comparison Code | Nucleotide Sequence ID | GenBank Acc. ID | Pathways | Known Gene Name | Unigene Cluster Title |
| 18369 G | | 19 | AA799645 | | | Rattus norvegicus phospholemman chloride channel mRNA, complete cds |
| 18389 A,B,Q | | 9 | AA799498 | | Brain natriuretic factor | Rattus norvegicus brain natriuretic peptide (BNP) mRNA, complete cds |
| 18390 A,E | | 128 | AA850038 | | | ESTs |
| 18418 C | | 969 | AI176483 | | | ESTs |
| 18452 A | | 1630 | NM_017074 | Cysteine metabolism, Methionine metabolism, Nitrogen metabolism, Selenoamino acid metabolism | CTL target antigen | CTL target antigen |
| 18453 A | | 1630 | NM_017074 | Cysteine metabolism, Methionine metabolism, Nitrogen metabolism, Selenoamino acid metabolism | CTL target antigen | CTL target antigen |
| 18465 B,Q | | 1077 | AI180187 | | | ESTs |
| 18473 K | | 838 | AI168975 | | | ESTs |
| 18482 H | | 1311 | AI639151 | | | ESTs, Highly similar to pinin [H.sapiens] |
| 18484 L | | 1249 | AI235349 | | | ESTs, Highly similar to KIAA0184 [H.sapiens] |
| 18495 B | | 1307 | AI639042 | | | ESTs |
| 18501 J | | 1414 | M31178 | | | Rat calbindin D28 mRNA, complete cds |
| 18522 A,E | | 830 | AI145870 | | | ESTs |
| 18529 B,Q | | 1136 | AI230716 | | | ESTs |
| 18580 M,P | | 142 | AA851963 | | | ESTs |
| 18584 H | | 216 | AA891694 | | | ESTs |

| TABLE 1 | | | | | | | Document Number 1650775 |
|-------------|-----------------|------------------------|----------------|--|---|--|-------------------------|
| GLGC ID | Comparison Code | Nucleotide Sequence ID | GenBank Acc ID | Pathways | Known Gene Name | Unigene Cluster Title | |
| 18886 R | | 340 | AA943785 | | | ESTs,ESTs, Highly similar to AF157028_1 protein phosphatase methylesterase-1 [H.sapiens] | |
| 18890 B,P,S | | 280 | AA899964 | | | ESTs | |
| 18891 B,Q,S | | 303 | AA924598 | | | ESTs | |
| 18900 F | | 1214 | A1233570 | | | ESTs, Highly similar to PSD8_HUMAN 26S PROTEASOME REGULATORY SUBUNIT S14 [H.sapiens] | |
| 18905 E | | 883 | A1170770 | Oxidative phosphorylation,Ubiquinone biosynthesis | HHs:NADH dehydrogenase (ubiquinone) Fe-S protein 2 (49kD) (NADH-coenzyme Q reductase) | ESTs, Highly similar to NADH-ubiquinone oxidoreductase NDUFS2 subunit [H.sapiens] | |
| 18906 A,K | | 243 | AA892561 | | | ESTs, Moderately similar to PTD012 [H.sapiens] | |
| 18908 A | | 122 | AA849426 | | | ESTs | |
| 18909 A | | 122 | AA849426 | | | ESTs | |
| 18910 A | | 1182 | A1232419 | | | ESTs | |
| 18956 S | | 1631 | NM_017075 | Bile acid biosynthesis, Butanoate metabolism, Fatty acid biosynthesis (path 2), Fatty acid metabolism, Lysine degradation, Propanoate metabolism, Pyruvate metabolism, Synthesis and degradation of ketone bodies, Tryptophan metabolism | Acetyl-Co A acetyltransferase 1, mitochondrial | Acetyl-Co A acetyltransferase 1, mitochondrial | |
| 18960 A | | 1004 | A1177103 | | | ESTs | |

| TABLE 1 | | | | | Document Number 1650775 | |
|-------------|-----------------|------------------------|-----------------|----------|---|---|
| GLGC ID | Comparison Code | Nucleotide Sequence ID | GenBank Acc. ID | Pathways | Known Gene Name | Unigene Cluster Title |
| 19121 P | | 608 | AI044101 | | | ESTs |
| 19150 C | | 8 | AA799461 | | | ESTs |
| 19158 B | | 140 | AA851953 | | | ESTs, Moderately similar to hypothetical protein [H.sapiens] |
| | | | | | | ESTs, Highly similar to TGIF_MOUSE 5'-TG-3' INTERACTING FACTOR [M.musculus] |
| 19184 J | | 1022 | AI178025 | | | ESTs |
| 19211 N | | 136 | AA851329 | | | ESTs |
| 19230 R | | 646 | AI059604 | | | ESTs |
| 19241 I | | 1666 | NM_019206 | | Serine/threonine kinase 10 | Serine/threonine kinase 10 |
| 19252 N | | | NM_019382 | | anti-oxidant protein 2 | anti-oxidant protein 2 |
| | | | | | | Rat (diabetic BB) MHC class II alpha chain RT1.D alpha (u) |
| 19255 K | | 1406 | M15562 | | | Rat (diabetic BB) MHC class II alpha chain RT1.D alpha (u) |
| 19256 K | | 1406 | M15562 | | | ESTs |
| 19258 O | | 287 | AA900613 | | | ESTs |
| 19261 O | | 741 | AI102943 | | | ESTs |
| 19264 C,D,R | | 743 | AI103078 | | | ESTs |
| 19292 K | | 445 | AA997323 | | | EST |
| | | | | | | ESTs, Weakly similar to NHPX_RAT NHP2/RS6 FAMILY PROTEIN YEL026W HOMOLOG [R.norvegicus] |
| 19298 A,D,I | | 1272 | AI236338 | | | EST |
| 19315 E | | 1144 | AI231010 | | | ESTs, Moderately similar to unnamed protein product [H.sapiens] |
| 19363 A,F | | 954 | AI176247 | | | Hyaluronan mediated motility receptor (RHAMM) |
| 19373 N | | 1684 | NM_021266 | | Hyaluronan mediated motility receptor (RHAMM) | |

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|-------------------------|-----------------|------------------------|-----------------|---|--|---|--|
| TABLE 1 | | | | | | | |
| GLGC ID | Comparison Code | Nucleotide Sequence ID | GenBank Acc. ID | Pathways | Known Gene Name | UniGene Cluster Title | |
| | | | | | | ESTs, Moderately similar to RL3_RAT 60S RIBOSOMAL PROTEIN L3 [R.norvegicus] | |
| 19377 I | | 180 | AA859971 | | | EST | |
| 19388 F | | 206 | AA891032 | | | | |
| | | | | Arginine and proline metabolism, Biosynthesis and degradation of glycoprotein | Protein disulfide isomerase (Prolyl 4-hydroxylase, beta polypeptide) | Protein disulfide isomerase (Prolyl 4-hydroxylase, beta polypeptide) | |
| 19392 M | | 1592 | NM_012998 | | | ESTs, Moderately similar to AC006978_1 supported by human and rodent ESTs [H.sapiens] | |
| 19410 B,Q | | 268 | AA893667 | | | ESTs, Moderately similar to AC006978_1 supported by human and rodent ESTs [H.sapiens] | |
| 19411 M,P | | 268 | AA893667 | | | ESTs, Moderately similar to AC006978_1 supported by human and rodent ESTs [H.sapiens] | |
| | | | | | | ESTs, Moderately similar to AC006978_1 supported by human and rodent ESTs [H.sapiens] | |
| 19412 B,Q | | 120 | AA849222 | | | ESTs | |
| 19444 P | | 309 | AA924993 | | | EST | |
| 19458 E | | 462 | AA998345 | | | EST | |
| 19465 K | | 630 | AI045881 | | | ESTs, Weakly similar to proline dehydrogenase [M.musculus] | |
| 19469 A,P | | 231 | AA892112 | | | ESTs, Weakly similar to proline dehydrogenase [M.musculus] | |
| 19470 A | | 1203 | AI233266 | | | ESTs, Weakly similar to proline dehydrogenase [M.musculus] | |
| 19476 O | | 1188 | AI232612 | | | ESTs | |
| | | | | | | ESTs, Moderately similar to vascular endothelial growth factor D [M.musculus] | |
| 19503 P | | 116 | AA848639 | | | EST | |
| 19508 A | | 1114 | AI229698 | | | | |

| TABLE 1 | | | | | | | Document Number 1650775 | |
|-----------|-----------------|------------------------|----------------|----------|--|--|-------------------------|--|
| GLGC ID | Comparison Code | Nucleotide Sequence ID | GenBank Acc ID | Pathways | Known Gene Name | Unigene Cluster Title | | |
| 19512 M | | 855 | AI169612 | | | Rattus norvegicus adipocyte lipid-binding protein (ALBP) mRNA, complete cds | | |
| 19513 R | | 1100 | AI229035 | | | ESTs | | |
| 19566 E | | 112 | AA819879 | | | ESTs, Highly similar to ATP binding protein [H.sapiens] | | |
| 19591 S | | 559 | AI012747 | | | ESTs | | |
| 19605 E,L | | 97 | AA819172 | | | EST | | |
| 19641 J | | 663 | AI071181 | | | EST | | |
| | | | | | | ESTs,Rattus norvegicus retinoid X receptor gamma (RXRgamma) mRNA, partial cds | | |
| 19650 H | | 486 | AF016387 | | | Rattus norvegicus mRNA for SH2-containing inositol phosphatase 2 (SHIP2), complete cds | | |
| 19669 R | | 1740 | NM_022944 | | | | | |
| | | | | | protein phosphatase 3, regulatory subunit B, alpha isoform (calcineurin B, type I) | protein phosphatase 3, regulatory subunit B, alpha isoform (calcineurin B, type I) | | |
| 19671 B,Q | | 1656 | NM_017309 | | | Rat mRNA for type I thyroxine deiodinase | | |
| 19678 A | | 1733 | NM_021653 | | Thyroxine deiodinase, type I | | | |
| 19679 A | | 1733 | NM_021653 | | Thyroxine deiodinase, type I | Rat mRNA for type I thyroxine deiodinase | | |
| 19715 M | | 1662 | NM_019190 | | Thyroxine deiodinase, type I membrane cofactor protein | membrane cofactor protein | | |
| 19728 O | | 872 | AI170394 | | | ESTs | | |
| 19729 A | | 87 | AA818910 | | | ESTs | | |
| 19732 A,G | | 1262 | AI236066 | | | ESTs | | |
| 19762 R | | 272 | AA899113 | | | EST | | |
| 19768 I | | 237 | AA892373 | | | ESTs | | |
| 19787 H | | 1304 | AI638994 | | | ESTs | | |

| Document Number 1650775 | | | | | | |
|-------------------------|-----------------|------------------------|----------------|------------------------------------|--|---|
| GLGC ID | Comparison Code | Nucleotide Sequence ID | GenBank Acc ID | Pathways | Known Gene Name | Unigene Cluster Title |
| 19824 O | | 1688 | NM_021750 | Taurine and hypotaurine metabolism | HHs:cysteine sulfinic acid decarboxylase-related protein 2 | Rattus norvegicus brain mRNA for cysteine-sulfinic decarboxylase |
| 19825 O | | 1688 | NM_021750 | Taurine and hypotaurine metabolism | HHs:cysteine sulfinic acid decarboxylase-related protein 2 | Rattus norvegicus brain mRNA for cysteine-sulfinic decarboxylase |
| 19830 A | | 853 | AI169529 | | | ESTs, Weakly similar to 305B_RAT 3-OXO-5-BETA-STEROID 4- |
| 19843 A | | 1308 | AI639055 | | | DEHYDROGENASE [R.norvegicus] |
| 19909 A | | 1315 | AI639310 | | | EST |
| 19940 C | | 1254 | AI235689 | | | EST |
| 19952 A | | 1310 | AI639108 | | | ESTs, Moderately similar to pscadillo [H.sapiens] |
| 20016 B | | 1312 | AI639158 | | | ESTs |
| 20035 A | | 1689 | NM_021754 | | | ESTs, Moderately similar to dJ967N21.3 [H.sapiens] |
| 20038 S | | 278 | AA899797 | | | Rattus norvegicus Nopp140 associated protein (NAP65) mRNA, complete cds |
| 20041 K | | 787 | AI112161 | | | EST |
| 20063 E,L | | 313 | AA925063 | | | ESTs |
| 20082 C | | 1316 | AI639488 | | | ESTs, Highly similar to R32184_3 [H.sapiens] |
| 20088 A | | 246 | AA892666 | | | EST, Highly similar to A42772 mdm2 protein - rat [R.norvegicus] |
| 20090 R | | 1690 | NM_021757 | | | ESTs |
| 20119 P | | 1033 | AI178533 | | | Rattus norvegicus pleiotropic regulator 1 (PLRG1) mRNA, complete cds |
| | | | | | | EST, Moderately similar to TNFC_MOUSE LYMPHOTOXIN-BETA [M.musculus] |

| TABLE 1 | | | | | | | Document Number 1650775 |
|---------|-----------------|------------------------|----------------|-------------------------|--|---|-------------------------|
| GLGC ID | Comparison Code | Nucleotide Sequence ID | GenBank Acc ID | Pathways | Known Gene Name | Unigene Cluster Title | |
| 20134 | P | 1692 | NM_021852 | | | Rattus norvegicus EH domain binding protein epsin 2 mRNA, complete cds | |
| 20161 | A,B | 1691 | NM_021836 | | | R.norvegicus pJunB gene | |
| 20200 | M | 1693 | NM_022194 | | | Rat interleukin 1 receptor antagonist gene, complete cds | |
| 20282 | H | 1648 | NM_017274 | Glycerolipid metabolism | glycerol-3-phosphate acyltransferase, mitochondrial | glycerol-3-phosphate acyltransferase, mitochondrial | |
| 20299 | A,D | 1694 | NM_022220 | | | Rattus norvegicus gene for L-gulonogamma-lactone oxidase | |
| 20350 | L,Q | 1186 | AI232552 | | | EST | |
| 20354 | B,N,Q | 1404 | M14369 | | K-kininogen, differential splicing leads to HMW Kngk | K-kininogen, differential splicing leads to HMW Kngk | |
| 20380 | E,G | 1330 | D16102 | Glycerolipid metabolism | glycerol kinase | Rattus norvegicus mRNA for ATP-stimulated glucocorticoid-receptor translocaton promoter, complete cds | |
| 20397 | A,E | 1151 | AI231226 | | | ESTs, Moderately similar to SYM_HUMAN METHIONYL-TRNA SYNTHETASE [H.sapiens] | |
| 20449 | A,C,I | 1494 | X17053 | | | Rattus norvegicus JE/MCP-1 mRNA, complete cds | |
| 20456 | A,C | 1355 | H31144 | | Small inducible gene JE | ESTs | |
| 20502 | A,F | 370 | AA945533 | | | Rattus norvegicus mRNA for organic anion transporting polypeptide 4 (slc21a10 gene) | |
| 20503 | A,C,E | 864 | AI169779 | | | Rattus norvegicus mRNA for organic anion transporting polypeptide 4 (slc21a10 gene) | |

| TABLE 1 | | | | | Document Number 1650775 | |
|-------------|-----------------|------------------------|----------------|--|---|---|
| GLGC ID | Comparison Code | Nucleotide Sequence ID | GenBank Acc ID | Pathways | Known Gene Name | Unigene Cluster Title |
| 20513 A | | 1554 | NM_012624 | Glycolysis/ Gluconeogenesis, Purine metabolism, Pyruvate metabolism | Pyruvate kinase, liver and RBC | Pyruvate kinase, liver and RBC |
| 20522 P | | 224 | AA891842 | | | ESTs, Moderately similar to podocalyxin [R.norvegicus] |
| 20523 C,P | | 224 | AA891842 | | | ESTs, Moderately similar to podocalyxin [R.norvegicus] |
| 20529 F,M,P | | 1644 | NM_017208 | | lipopolysaccharide binding protein | lipopolysaccharide binding protein |
| 20555 G | | 1458 | U26033 | | | Rattus norvegicus carnitine octanoyltransferase mRNA, complete cds |
| 20579 O | | 1654 | NM_017288 | | sodium channel, voltage-gated, type I, beta polypeptide | sodium channel, voltage-gated, type I, beta polypeptide |
| 20589 I | | 1553 | NM_012618 | | Protein 9 Ka homologous to calcium-binding protein | Protein 9 Ka homologous to calcium-binding protein |
| 20597 S | | 1489 | X12459 | Alanine and aspartate metabolism, Arginine and proline metabolism, Urea cycle and metabolism of amino groups | Arginosuccinate synthetase 1 | Arginosuccinate synthetase 1 |
| 20644 I | | 996 | AI176990 | | | ESTs, Highly similar to SRPR_HUMAN SIGNAL RECOGNITION PARTICLE RECEPTOR ALPHA SUBUNIT [H.sapiens] |
| 20651 P | | 1460 | U36992 | | Cytochrom P450 | Cytochrom P450 |
| 20684 C | | 1361 | H32977 | | | ESTs |
| 20694 A | | 442 | AA997048 | | | ESTs |

| TABLE 1 | | | | | | | Document Number 1650777 |
|---------|-----------------|------------------------|----------------|--|---|---|-------------------------|
| GLGC ID | Comparison Code | Nucleotide Sequence ID | GenBank Acc ID | Pathways | Known Gene Name | Unigene Cluster Title | |
| 20698 | N | 1519 | X86561 | | | Rat alpha-fibrinogen mRNA, 3' end | |
| 20701 | A,B,F,Q | 197 | AA875097 | | | Rat alpha-fibrinogen mRNA, 3' end | |
| 20705 | A,D | 1541 | NM_012541 | Fatty acid metabolism, Tryptophan metabolism | Cytochrome P450, subfamily I (aromatic compound-inducible), member A2 (Q42, form d) | Cytochrome P450, subfamily I (aromatic compound-inducible), member A2 (Q42, form d) | |
| 20707 | A,D,K | 1481 | U88036 | | | Rattus norvegicus brain digoxin carrier protein mRNA, complete cds | |
| 20708 | C,F | 476 | AB006461 | | | Rattus norvegicus mRNA for NORBIN, complete cds | |
| 20711 | E,K | 1622 | NM_016999 | Fatty acid metabolism, Tryptophan metabolism | Cytochrome P450, subfamily IVB, polypeptide 1 | Cytochrome P450, subfamily IVB, polypeptide 1 | |
| 20713 | K | 1622 | NM_016999 | Fatty acid metabolism, Tryptophan metabolism | Cytochrome P450, subfamily IVB, polypeptide 1 | Cytochrome P450, subfamily IVB, polypeptide 1 | |
| 20714 | K | 1622 | NM_016999 | Fatty acid metabolism, Tryptophan metabolism | Cytochrome P450, subfamily IVB, polypeptide 1 | Cytochrome P450, subfamily IVB, polypeptide 1 | |
| 20715 | E,N | 1622 | NM_016999 | Fatty acid metabolism, Tryptophan metabolism | Cytochrome P450, subfamily IVB, polypeptide 1 | Cytochrome P450, subfamily IVB, polypeptide 1 | |
| 20734 | A | 1672 | NM_019283 | | antigen identified by monoclonal antibodies 4F2 | antigen identified by monoclonal antibodies 4F2 | |
| 20735 | A,C,D | 1672 | NM_019283 | | antigen identified by monoclonal antibodies 4F2 | antigen identified by monoclonal antibodies 4F2 | |
| 20741 | F | 502 | AF084186 | | | R.norvegicus mRNA for alpha II spectrin | |

| TABLE 1 | | | | | Document Number 1650775 | |
|-----------|-----------------|------------------------|----------------|--|---|---|
| GLGC ID | Comparison Code | Nucleotide Sequence ID | GenBank Acc ID | Pathways | Known Gene Name | Unigene Cluster Title |
| | | | | Alanine and aspartate metabolism, Arginine and proline metabolism, Cysteine metabolism, Glutamate metabolism, Phenylalanine metabolism, Phenylalanine, tyrosine and tryptophan biosynthesis, Tyrosine metabolism | Glutamic-oxaloacetic transaminase 1, soluble (aspartate aminotransferase, cytosolic) see also D1Mgh12 | Glutamic-oxaloacetic transaminase 1, soluble (aspartate aminotransferase, cytosolic) see also D1Mgh12 |
| 20744 K | | 1545 | NM_012571 | | Cyclin G1 | Cyclin G1 |
| 20755 I | | 1587 | NM_012923 | | Cyclin G1 | Cyclin G1 |
| 20757 A | | 1587 | NM_012923 | | Cyclin G1 | Cyclin G1 |
| | | | | | | Rattus norvegicus protein arginine N-methyltransferase (PRMT1) mRNA, complete cds |
| 20772 A,F | | 1468 | U60882 | | | ESTs, Moderately similar to HS9B_RAT HEAT SHOCK PROTEIN HSP 90-BETA [R.norvegicus] |
| 20795 J | | 355 | AA944397 | | | Murine leukemia viral (v-raf-1) oncogene homolog 1 (3611-MSV) |
| 20799 H | | 1405 | M15428 | egf,epo,il2,il3,il6,insulin,inter act6-1,ngf,pdgf,tpo | Murine leukemia viral (v-raf-1) oncogene homolog 1 (3611-MSV) | homolog 1 (3611-MSV) |
| 20801 A,I | | 1723 | NM_024148 | | Apurinic/apyrimidinic endonuclease 1 | Rattus norvegicus mRNA for APEX nuclease, complete cds |
| 20803 K | | 1707 | NM_022592 | Pentose phosphate cycle | HMM:transketolase | Rattus norvegicus Sprague-Dawley transketolase mRNA, complete cds |
| 20804 K | | 1707 | NM_022592 | Pentose phosphate cycle | HMM:transketolase | Rattus norvegicus Sprague-Dawley transketolase mRNA, complete cds |
| | | | | | | ESTs, Highly similar to RL1X_RAT 60S RIBOSOMAL PROTEIN L18A [R.norvegicus] |
| 20810 A | | 1493 | X14181 | | | [R.norvegicus] |

| TABLE 1 | | | | | | | Document Number 1650775 | |
|---------|-----------------|------------------------|----------------|--|---|--|-------------------------|--|
| GLGC ID | Comparison Code | Nucleotide Sequence ID | GenBank Acc ID | Pathways | Known Gene Name | UniGene Cluster Title | | |
| 20817 | G | 558 | AI012589 | Glutathione metabolism | glutathione S-transferase, pi 2 | glutathione S-transferase, pi 2 | | |
| 20818 | G | 1485 | X02904 | Glutathione metabolism | glutathione S-transferase, pi 2 | glutathione S-transferase, pi 2 | | |
| 20843 | C,D | 13 | AA799545 | | | ESTs, Weakly similar to TCPA_RAT T-COMPLEX PROTEIN 1, ALPHA SUBUNIT [R.norvegicus] | | |
| | | | | | | ESTs, Highly similar to RL2B_HUMAN 60S RIBOSOMAL PROTEIN L23A [R.norvegicus] | | |
| 20846 | E,N | 1147 | AI231140 | | | Rat mRNA for myosin regulatory light chain (RLC) | | |
| 20849 | F,I | 1487 | X05566 | | | acyl-CoA hydrolase | | |
| 20851 | E | 1614 | NM_013214 | | acyl-CoA hydrolase | acyl-CoA hydrolase | | |
| | | | | Fatty acid metabolism, Glycerolipid metabolism | Carnitine palmitoyltransferase 1 beta, muscle isoform | Carnitine palmitoyltransferase 1 beta, muscle isoform | | |
| 20855 | S | 1613 | NM_013200 | | Carnitine palmitoyltransferase 1 beta, muscle isoform | Carnitine palmitoyltransferase 1 beta, muscle isoform | | |
| 20856 | S | 1613 | NM_013200 | Fatty acid metabolism, Glycerolipid metabolism | Carnitine palmitoyltransferase 1 beta, muscle isoform | Carnitine palmitoyltransferase 1 beta, muscle isoform | | |
| 20864 | G,K,P | 1615 | NM_013215 | | aflatoxin B1 aldehyde reductase | aflatoxin B1 aldehyde reductase | | |
| | | | | | | ESTs, Highly similar to RS19_RAT 40S RIBOSOMAL PROTEIN S19 [R.norvegicus] | | |
| 20873 | G | 1000 | AI177042 | | | ESTs, Moderately similar to KIAA0952 protein [H.sapiens] | | |
| 20874 | A | 1116 | AI229789 | | | R.norvegicus mRNA for pl 6.1 esterase (ES-10) | | |
| 20879 | I | 1511 | X65296 | | | Solute carrier 16 (monocarboxylic acid transporter), member 1 | | |
| 20889 | A | 1563 | NM_012716 | | Solute carrier 16 (monocarboxylic acid transporter), member 1 | ESTs, Highly similar to CGI-117 protein [H.sapiens] | | |
| 20891 | A,C,I | 852 | AI169337 | | | ESTs, Highly similar to Copa protein [M.musculus] | | |
| 20897 | I | 945 | AI175812 | | | | | |

| TABLE 1 | | | | | | | Document Number 1650775 | |
|-----------|-----------------|------------------------|----------------|--|--|---|-------------------------|--|
| GLGC ID | Comparison Code | Nucleotide Sequence ID | GenBank Acc ID | Pathways | Known Gene Name | Unigene Cluster Title | | |
| 20914 B | | 1412 | M23995 | | Aldehyde dehydrogenase 1 (phenobarbital inducible) | Aldehyde dehydrogenase 1 (phenobarbital inducible) | | |
| 20915 K,Q | | 1730 | NM_017272 | | Aldehyde dehydrogenase 1 (phenobarbital inducible) | Aldehyde dehydrogenase 1 (phenobarbital inducible) | | |
| 20930 E | | 473 | AB004096 | Fatty acid metabolism, Tryptophan metabolism | Cytochrom P450 Lanosterol 14 alpha-demethylase | Cytochrom P450 Lanosterol 14 alpha-demethylase | | |
| 20950 I | | 7 | AA799323 | | | ESTs, Moderately similar to PLEK_HUMAN PLECKSTRIN [H.sapiens] | | |
| 20971 H | | 15 | AA799576 | | | ESTs, Weakly similar to nucleolar RNA helicase II/Gu [M.musculus] | | |
| 20975 H | | 16 | AA799599 | | | ESTs | | |
| 20980 E | | 18 | AA799633 | | | ESTs | | |
| 20983 F | | 619 | AI044900 | | Acyl CoA synthetase, long chain | Acyl CoA synthetase, long chain | | |
| 20986 G | | 260 | AA893242 | | Acyl CoA synthetase, long chain | Acyl CoA synthetase, long chain | | |
| 20993 R | | 1041 | AI178741 | | | ESTs | | |
| 20998 S | | 24 | AA799803 | | | ESTs, Weakly similar to serine protease [R.norvegicus] | | |
| 21010 S | | 318 | AA925306 | Alanine and aspartate metabolism | HMM:carnitine acetyltransferase | ESTs | | |
| 21014 P | | 1376 | J03914 | Glutathione metabolism | Glutathione-S-transferase, mu type 2 (Yb2) | Glutathione-S-transferase, mu type 2 (Yb2) | | |
| 21025 A | | 163 | AA859241 | | synaptotagmin 2 binding protein | Rattus norvegicus NPW16 mRNA, complete cds | | |
| 21039 B | | 1373 | J03190 | Glycine, serine and threonine metabolism | HHs:aminolevulinatase, delta-, synthase 1 | Rat 5-aminolevulinatase synthase mRNA, complete cds | | |
| 21040 E | | 546 | AI011734 | Glycine, serine and threonine metabolism | HHs:aminolevulinatase, delta-, synthase 1 | Rat 5-aminolevulinatase synthase mRNA, complete cds | | |

| TABLE 1 | | | | | | | Document Number 1650775 |
|-------------|-----------------|------------------------|-----------------|---|---|---|-------------------------|
| GLGC ID | Comparison Code | Nucleotide Sequence ID | GenBank Acc. ID | Pathways | Known Gene Name | Unigene Cluster Title | |
| 21060 I | | 547 | AI011746 | | | ESTs, Weakly similar to BACR7C10.a [D.melanogaster] | |
| | | | | | | ESTs, Highly similar to RB24_MOUSE RAS-RELATED PROTEIN RAB-24 [M.musculus] | |
| 21068 E | | 943 | AI175675 | | | | |
| | | | | | | Rattus norvegicus thioredoxin reductase (TrxR2) mRNA, nuclear gene encoding mitochondrial protein, complete cds | |
| 21075 P | | 1706 | NM_022584 | | thioredoxin reductase 2 | | |
| | | | | Fatty acid metabolism, Propanoate metabolism, Valine, leucine and isoleucine degradation, beta-Alanine metabolism | | | |
| 21078 K | | 1617 | NM_016986 | | Acyl-Coenzyme A dehydrogenase, C-4 to C-12 straight-chain | Acyl-Coenzyme A dehydrogenase, C-4 to C-12 straight-chain | |
| 21088 A,F | | 966 | AI176472 | | | ESTs | |
| | | | | | | ESTs, Weakly similar to predicted using Genefinder [C.elegans] | |
| 21091 E | | 1289 | AI236972 | | | | |
| 21097 A,H,N | | 1400 | M12112 | | Angiotensinogen | Rat angiotensinogen (PAT) gene | |
| 21098 N | | 344 | AA943892 | | Angiotensinogen | Rat angiotensinogen (PAT) gene | |
| 21125 A | | 114 | AA848437 | | | ESTs | |
| 21130 J | | 959 | AI176298 | | | ESTs | |
| 21150 A | | 119 | AA848826 | | | ESTs | |
| 21157 A | | 383 | AA946189 | | | ESTs | |
| 21164 O,S | | 810 | AI137488 | | | ESTs | |
| 21175 H | | 768 | AI105113 | | | ESTs | |
| 21184 K | | 709 | AI101205 | | | ESTs | |
| 21209 A,E | | 913 | AI171772 | | | ESTs | |
| 21228 K,M | | 615 | AI044404 | | | ESTs | |

| TABLE 1 | | | | | | | Document Number 1650775 |
|-------------|-----------------|------------------------|----------------|--|---|--|-------------------------|
| GLGC ID | Comparison Code | Nucleotide Sequence ID | GenBank Acc ID | Pathways | Known Gene Name | Unigene Cluster Title | |
| 21238 K | | 1719 | NM_024125 | il6.interact6-1 | Liver activating protein (LAP, also NF-IL6, nuclear factor-IL6, previously designated TCF5) | Rat sfb mRNA for silencer factor B | |
| 21256 Q | | 1029 | AI178491 | | | ESTs | |
| 21275 L | | 125 | AA849796 | | | ESTs | |
| 21281 B,E,M | | 1231 | AI234090 | | | ESTs, Moderately similar to hypothetical protein [H.sapiens] | |
| 21285 P | | 126 | AA849898 | | | EST | |
| 21305 G | | 258 | AA893082 | | | ESTs | |
| 21321 H | | 1227 | AI233902 | | | ESTs | |
| 21341 A,S | | 129 | AA850195 | | | ESTs | |
| 21354 S | | 277 | AA899721 | | | ESTs | |
| 21380 J | | 35 | AA800739 | | | ESTs, Weakly similar to /prediction | |
| 21382 N | | 375 | AA945708 | | | ESTs | |
| | | | | Arginine and proline metabolism,Glycine, serine and threonine metabolism,Histidine metabolism,Phenylalanine metabolism,Tryptophan metabolism,Tyrosine metabolism | Monoamine oxidase B | Monoamine oxidase B | |
| 21396 A | | 1612 | NM_013198 | | | ESTs | |
| 21414 P | | 1255 | AI235842 | | | ESTs, Highly similar to TALI_MOUSE TALIN [M.musculus] | |
| 21416 I | | 37 | AA800962 | | multiple PDZ domain protein | multiple PDZ domain protein | |
| 21421 N | | 1664 | NM_019196 | | complement component 1, q subcomponent, beta polypeptide | complement component 1, q subcomponent, beta polypeptide | |
| 21443 P,Q | | 1671 | NM_019262 | | | | |

| Document Number 1650775 | | | | | |
|-------------------------|-----------------|------------------------|----------------|----------|---|
| GLGC ID | Comparison Code | Nucleotide Sequence ID | GenBank Acc ID | Pathways | Known Gene Name |
| 22695 | H | 1032 | AI178531 | | ESTs |
| 22713 | K | 378 | AA945904 | | ESTs |
| 22717 | L | 1257 | AI235948 | | ESTs, Highly similar to entactin [R.norvegicus] |
| 22722 | O | 804 | AI137211 | | ESTs |
| 22725 | Q | 283 | AA900506 | | ESTs, Highly similar to TS24_MOUSE PROTEIN TSG24 [M.musculus] |
| 22737 | S | 465 | AA998660 | | ESTs |
| 22770 | A | 387 | AA946428 | | ESTs |
| 22806 | E,Q | 551 | AI012174 | | ESTs, Moderately similar to hypothetical protein [H.sapiens] |
| 22835 | L | 1079 | AI180367 | | Rattus norvegicus small zinc finger-like protein (TIM10) mRNA, complete cds |
| 22840 | N | 528 | AI009676 | | ESTs |
| 22862 | H | 227 | AA891944 | | ESTs |
| 22876 | C | 917 | AI172041 | | ESTs, Moderately similar to CGI-137 protein [H.sapiens] |
| 22877 | A,C,D | 1045 | AI178819 | | ESTs, Moderately similar to CGI-137 protein [H.sapiens] |
| 22897 | P | 290 | AA901107 | | ESTs |
| 22898 | L,P | 290 | AA901107 | | ESTs |
| 22906 | L,N | 944 | AI175790 | | ESTs |
| 22918 | B,Q | 29 | AA800243 | | ESTs, Moderately similar to cell death activator CIDE-A [M.musculus] |
| 22928 | A,F | 328 | AA926262 | | ESTs |
| 22929 | A,L | 670 | AI071578 | | ESTs |
| 22930 | A | 670 | AI071578 | | ESTs |
| 22931 | A | 777 | AI105417 | | ESTs |

| TABLE 1 | | | | | | | Document Number 1650775 |
|---------|-----------------|------------------------|----------------|----------|---|---|-------------------------|
| GLGC ID | Comparison Code | Nucleotide Sequence ID | GenBank Acc ID | Pathways | Known Gene Name | Unigene Cluster Title | |
| | | | | | HMM:mitogen activated protein kinase kinase 3 | ESTs, Moderately similar to meningioma expressed antigen 11 [H.sapiens] | |
| 22957 | R | 764 | AI104897 | | | ESTs | |
| 22961 | E | 1064 | AI179519 | | | ESTs | |
| 22966 | B | 1128 | AI230320 | | | ESTs | |
| 23000 | H | 178 | AA859933 | | | ESTs | |
| 23005 | F,P | 334 | AA942770 | | | ESTs | |
| | | | | | | ESTs, Weakly similar to ACTC_HUMAN ACTIN, ALPHA CARDIAC [R.norvegicus] | |
| 23013 | I | 1137 | AI230743 | | | ESTs | |
| 23030 | L | 305 | AA924763 | | | ESTs | |
| 23032 | K | 976 | AI176596 | | | ESTs | |
| 23033 | G | 179 | AA859938 | | | ESTs | |
| | | | | | | ESTs, Weakly similar to URB1_RAT DNA BINDING PROTEIN URE-B1 [R.norvegicus] | |
| 23043 | N | 1051 | AI178968 | | | Rattus norvegicus hyaluronidase (Hyal2) mRNA, complete cds | |
| 23044 | A,H | 490 | AF034218 | | | ESTs | |
| 23047 | H | 230 | AA892027 | | | ESTs | |
| 23075 | A | 844 | AI169166 | | | ESTs | |
| 23077 | H | 1015 | AI177489 | | | ESTs | |
| 23082 | A | 980 | AI176648 | | | ESTs | |
| | | | | | | ESTs, Highly similar to mm-Mago [M.musculus] | |
| 23099 | C | 789 | AI112365 | | Mini chromosome maintenance deficient 4 homolog (S. cerevisiae) | ESTs, Highly similar to cell division control protein CDC21 [H.sapiens] | |
| 23106 | Q,R | 825 | AI145081 | | | ESTs, Weakly similar to UB5D_RAT UBIQUITIN-CONJUGATING ENZYME E2-17 KD 4 [R.norvegicus] | |
| 23120 | C,D | 1070 | AI179857 | | | | |

| TABLE 1 | | | | | | | Document Number 1650775 |
|---------|-----------------|------------------------|----------------|---------------------------------|--|--|-------------------------|
| GLGC ID | Comparison Code | Nucleotide Sequence ID | GenBank Acc ID | Pathways | Known Gene Name | Unigene Cluster Title | |
| 23125 | B,Q | 1172 | AI232266 | | | ESTs | |
| 23128 | E | 561 | AI013011 | | | ESTs | |
| 23139 | H | 1076 | AI180040 | | | ESTs | |
| 23160 | C,L | 960 | AI176319 | | HMM:nuclear factor of kappa light chain gene enhancer in B-cells inhibitor, beta | Rattus norvegicus I-kappa-B-beta mRNA, complete cds | |
| 23170 | E | 850 | AI169317 | | | ESTs, Weakly similar to C43H8.1 [C.elegans] | |
| 23173 | I | 312 | AA925057 | | | ESTs, Highly similar to CRIP_MOUSE CYSTEINE-RICH INTESTINAL PROTEIN [R.norvegicus] | |
| 23182 | F,N | 1141 | AI230981 | | | ESTs | |
| 23183 | O | 819 | AI144586 | | | Rattus norvegicus eveclin-1 (EVT1) mRNA, complete cds | |
| 23184 | C | 974 | AI176554 | | | ESTs | |
| 23220 | O | 1319 | AJ000347 | Sulfur metabolism | HMM:bisphosphate 3'-nucleotidase 1 | Rattus norvegicus mRNA for 3'(2'), 5'-bisphosphate nucleotidase | |
| 23229 | C | 1229 | AI234038 | | | ESTs | |
| 23230 | A,H,N | 1266 | AI236146 | | | ESTs | |
| 23243 | E | 138 | AA851803 | | | ESTs | |
| 23245 | Q | 1066 | AI179570 | | | ESTs | |
| 23260 | C,D | 856 | AI169617 | | | ESTs, Highly similar to Bop1 [M.musculus] | |
| 23261 | A,C,D | 314 | AA925145 | | | ESTs | |
| 23299 | C | 989 | AI176839 | | | ESTs | |
| 23302 | I,N | 1516 | X78949 | Arginine and proline metabolism | HMM:procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha 1 polypeptide | R.norvegicus mRNA for prolyl 4-hydroxylase alpha subunit | |

| Document Number 1650775 | | | | | |
|-------------------------|---------|-----------------|------------------------|----------------|--|
| TABLE 1 | GLGC ID | Comparison Code | Nucleotide Sequence ID | GenBank Acc ID | Pathways |
| | 23445 | A,D,F | 1571 | NM_012792 | Flavin-containing monoxygenase 1 |
| | 23448 | B | 315 | AA925167 | ESTs |
| | 23449 | B,Q | 987 | AI176828 | ESTs |
| | 23491 | H,N,O | 1681 | NM_019359 | acidic calponin |
| | 23494 | N | 888 | AI170967 | ESTs |
| | 23499 | A | 393 | AA955249 | EST |
| | 23500 | A,S | 183 | AA860010 | ESTs |
| | 23511 | A | 1697 | NM_022294 | ESTs |
| | 23515 | L | 1063 | AI179498 | ESTs, Highly similar to S23B_HUMAN PROTEIN TRANSPORT PROTEIN SEC23 HOMOLOG ISOFORM B [H.sapiens] |
| | 23522 | A,F | 1552 | NM_012615 | Ornithine decarboxylase |
| | 23523 | A | 1552 | NM_012615 | Ornithine decarboxylase |
| | 23555 | M,P | 394 | AA955443 | ESTs |
| | 23558 | A | 400 | AA956170 | ESTs, Weakly similar to NDKA_RAT NUCLEOSIDE DIPHOSPHATE KINASE A [R.norvegicus] |
| | 23567 | J | 1042 | AI178746 | ESTs |
| | 23584 | A,B | 392 | AA955071 | ESTs |
| | 23587 | J | 977 | AI176598 | ESTs |

| TABLE 1 | | | | | Document Number 1650775 | |
|---------|-----------------|------------------------|----------------|----------|--|--|
| GLGC ID | Comparison Code | Nucleotide Sequence ID | GenBank Acc ID | Pathways | Known Gene Name | Unigene Cluster Title |
| 23606 | H,N | 1714 | NM_022867 | | | Rattus norvegicus microtubule-associated proteins 1A and 1B light chain 3 subunit mRNA, complete cds |
| 23608 | E | 1201 | AI233190 | | | Rattus norvegicus microtubule-associated proteins 1A and 1B light chain 3 subunit mRNA, complete cds |
| 23612 | A | 880 | AI170751 | | | ESTs |
| 23626 | N | 395 | AA955540 | | | ESTs |
| 23627 | S | 628 | AI045624 | | | ESTs, Moderately similar to AF151890_1 CGI-132 protein [H.sapiens] |
| 23633 | A | 706 | AI101130 | | | ESTs |
| 23651 | I | 1582 | NM_012881 | | Sialoprotein (osteopontin) | Sialoprotein (osteopontin) |
| 23656 | R | 616 | AI044533 | | | ESTs |
| 23678 | C | 1674 | NM_019290 | | B-cell translocation gene 3 | B-cell translocation gene 3 |
| 23679 | A,C,D,F | 1674 | NM_019290 | | B-cell translocation gene 3 | B-cell translocation gene 3 |
| 23698 | E | 1532 | NM_012489 | | Acetyl-CoA acyltransferase, 3-oxo acyl-CoA thiolase A, peroxisomal | Acetyl-CoA acyltransferase, 3-oxo acyl-CoA thiolase A, peroxisomal |
| 23709 | H,K | 1603 | NM_013113 | | ATPase Na+/K+ transporting beta 1 polypeptide | ATPase Na+/K+ transporting beta 1 polypeptide |
| 23710 | H | 1135 | AI230614 | | ATPase Na+/K+ transporting beta 1 polypeptide | ATPase Na+/K+ transporting beta 1 polypeptide |
| 23711 | H | 1603 | NM_013113 | | ATPase Na+/K+ transporting beta 1 polypeptide | ATPase Na+/K+ transporting beta 1 polypeptide |
| 23762 | R | 404 | AA956431 | | | ESTs, Highly similar to Lsm5 protein [H.sapiens] |
| 23767 | A | 1295 | AI237207 | | | ESTs |
| 23843 | E,R | 412 | AA957410 | | | ESTs |
| 23847 | B | 405 | AA956723 | | | EST |

| TABLE 1 | | | | | Document Number 1650775 | |
|---------|-----------------|------------------------|-----------------|--|--|--|
| GLGC ID | Comparison Code | Nucleotide Sequence ID | GenBank Acc. ID | Pathways | Known Gene Name | Unigene Cluster Title |
| 23854 | G,I | 1514 | X78327 | | | R.norvegicus (Sprague Dawley) ribosomal protein L13 mRNA |
| 23855 | B,C | 1287 | A1236773 | | | ESTs |
| 23868 | F | 1543 | NM_012551 | | Early growth response 1 | Early growth response 1 |
| 23869 | F | 1543 | NM_012551 | | Early growth response 1 | Early growth response 1 |
| 23872 | F | 1543 | NM_012551 | | Early growth response 1 | Early growth response 1 |
| 23884 | A | 1422 | M73714 | Arginine and proline metabolism, Ascorbate and aldarate metabolism, Bile acid biosynthesis, Butanoate metabolism, Fatty acid metabolism, Glycerolipid metabolism, Histidine metabolism, Lysine degradation, Phenylalanine metabolism, Propanoate metabolism, Pyruvate metabolism | aldehyde dehydrogenase 4, liver microsomal (class 3) | Rat microsomal aldehyde dehydrogenase mRNA, complete cds |
| | E | 866 | A1170007 | | | ESTs |
| | I | 241 | AA892520 | | | ESTs |
| | M | 241 | AA892520 | | | ESTs |
| | B | 406 | AA956864 | | | ESTs |
| | F | 409 | AA957071 | | | ESTs, Highly similar to Bcl-2-interacting protein beclin [H.sapiens] |
| | A | 1103 | A1229178 | | | ESTs |
| | A,D | 1640 | NM_017181 | Tyrosine metabolism | fumarylacetoacetate hydrolase | fumarylacetoacetate hydrolase |
| | O | 1496 | X51615 | | | ESTs |
| | B,Q | 1072 | A1179953 | | | ESTs |
| 24012 | M,O | 411 | AA957335 | | | ESTs |

| TABLE 1 | | | | | Document Number 1650775 | |
|---------|-----------------|------------------------|----------------|----------|----------------------------------|---|
| GLGC ID | Comparison Code | Nucleotide Sequence ID | GenBank Acc ID | Pathways | Known Gene Name | Unigene Cluster Title |
| 24024 | Q | 496 | AF052695 | | | Rattus norvegicus p55CDC mRNA, complete cds |
| 24049 | G | 1010 | AI177341 | | | ESTs, Highly similar to CGI-10 protein [H.sapiens] |
| 24051 | L | 414 | AA957452 | | | EST |
| 24079 | H | 935 | AI175423 | | | ESTs |
| 24112 | O | 514 | AI008773 | | | ESTs |
| 24126 | R | 415 | AA957708 | | | ESTs |
| 24146 | E | 859 | AI169668 | | | ESTs, Weakly similar to hypothetical protein [H.sapiens] |
| 24161 | E | 150 | AA858588 | | | ESTs |
| 24162 | A | 847 | AI169279 | | | ESTs |
| 24200 | N | 555 | AI012356 | | | ESTs |
| 24219 | A | 1395 | L27843 | | protein tyrosine phosphatase 4a1 | Rattus norvegicus tyrosine phosphatase (PRL-1) mRNA, complete cds |
| 24227 | L | 871 | AI170385 | | | ESTs |
| 24228 | M | 30 | AA800318 | | | ESTs, Weakly similar to A1AT_RAT ALPHA-1-ANTIPROTEINASE PRECURSOR [R.norvegicus] |
| 24234 | J | 1469 | U63923 | | | Rattus norvegicus NADPH-dependent thioredoxin reductase (TRR1) mRNA, complete cds |
| 24235 | A,D,J | 213 | AA891286 | | | Rattus norvegicus NADPH-dependent thioredoxin reductase (TRR1) mRNA, complete cds |
| 24236 | C,L | 967 | AI176473 | | | ESTs |
| 24237 | F,M | 44 | AA817726 | | | ESTs |

| TABLE 1 | | | | | Document Number 1650775 | |
|---------|-----------------|------------------------|----------------|----------------------|--------------------------------|---|
| GLGC ID | Comparison Code | Nucleotide Sequence ID | GenBank Acc ID | Pathways | Known Gene Name | Unigene Cluster Title |
| 24246 | G | 419 | AA963703 | | | ESTs, Highly similar to cell cycle protein p38-2G4 homolog [H.sapiens] |
| 24264 | A | 1593 | NM_012999 | | Subtilisin - like endoprotease | Subtilisin - like endoprotease |
| 24268 | E | 924 | AI172281 | | | ESTs |
| 24284 | A | 1715 | NM_022869 | | | Rattus norvegicus nucleolar phosphoprotein of 140kD, Nopp140 mRNA, complete cds |
| 24289 | B,Q | 399 | AA955986 | Galactose metabolism | Galactokinase | ESTs, Highly similar to galactokinase [M.musculus] |
| 24296 | E | 1360 | H32867 | | | ESTs, Highly similar to steroidogenic acute regulatory protein [R.norvegicus] |
| 24321 | A,D,G | 1178 | AI232340 | | | ESTs |
| 24323 | P | 763 | AI104798 | | | ESTs, Moderately similar to GTM1_RAT GLUTATHIONE S-TRANSFERASE YB1 [R.norvegicus] |
| 24367 | R | 401 | AA956247 | | | EST |
| 24368 | R | 1080 | AI180392 | | | ESTs, Highly similar to AF114169_1 nucleotide-binding protein short form [M.musculus] |
| 24369 | R | 346 | AA944011 | | | ESTs, Highly similar to AF114169_1 nucleotide-binding protein short form [M.musculus] |
| 24375 | A,D | 766 | AI104979 | | | ESTs, Moderately similar to nucleolar protein p40 [H.sapiens] |
| 24381 | S | 403 | AA956301 | | | ESTs |
| 24388 | C,D,I,R | 1286 | AI236772 | | | ESTs |
| 24434 | A | 1710 | NM_022704 | | | Rat mannose-binding protein C (liver) mRNA, complete cds |
| 24442 | O | 1708 | NM_022667 | | | Rat matrix F/G mRNA, complete cds |

| TABLE 1 | | | | | Document Number 1650775 | |
|---------|-----------------|------------------------|----------------|---|--|--|
| GLGC ID | Comparison Code | Nucleotide Sequence ID | GenBank Acc ID | Pathways | Known Gene Name | UniGene Cluster Title |
| 24721 | Q | 99 | AA819306 | | | ESTs |
| 24722 | G | 1564 | NM_012725 | | Plasma kallikrein | Plasma kallikrein |
| 24771 | A,G | 1626 | NM_017047 | | Solute carrier family 10 (sodium/bile acid cotransporter family), member 1 | Solute carrier family 10 (sodium/bile acid cotransporter family), member 1 |
| 24779 | F | 1375 | J03863 | Cysteine metabolism, Glycine, serine and threonine metabolism, Oxidative phosphorylation | HHs:serine dehydratase | Rat serine dehydratase (SDH2) mRNA, complete cds |
| 24810 | F,G | 1391 | L22339 | Sulfur metabolism | sulfotransferase, phenol preferring 2 | Rat N-hydroxy-2-acetylaminofluorene (ST1C1) mRNA, complete cds |
| 24811 | G | 1391 | L22339 | Sulfur metabolism | sulfotransferase, phenol preferring 2 | Rat N-hydroxy-2-acetylaminofluorene (ST1C1) mRNA, complete cds |
| 24826 | P | 1421 | M63991 | | | Rat thyroxine-binding globulin (TBG) mRNA, 3' end |
| 24860 | K,S | 1403 | M13506 | Androgen and estrogen metabolism, Pentose and glucuronate interconversions, Porphyrin and chlorophyll metabolism, Starch and sucrose metabolism | Hsp:UDP-GLUCURONOSYLTRANSFERASE 2B1 PRECURSOR, MICROSOMAL | Rat liver UDP-glucuronosyltransferase, phenobarbital-inducible form mRNA, complete cds |
| 24883 | A | 1677 | NM_019293 | Nitrogen metabolism | carbonic anhydrase 5 | carbonic anhydrase 5 |
| 25024 | F | 1353 | E03229 | | | |
| 25052 | A,F,M,P | 1390 | L22190 | | | |
| 25054 | A | 1396 | L36460 | | | |
| 25055 | K | 1398 | M11251 | | | |
| 25056 | K,L | 1402 | M13234 | | | |
| 25069 | F,G | 1440 | S82820 | | | |
| 25077 | Q | 1453 | U20643 | | | |

| TABLE 1 | | | | | Document Number 1650775 | |
|-----------|-----------------|------------------------|----------------|--|------------------------------------|-----------------------|
| GLGC ID | Comparison Code | Nucleotide Sequence ID | GenBank Acc ID | Pathways | Known Gene Name | Unigene Cluster Title |
| 25083 P | | 1473 | U72632 | Arginine and proline metabolism, Glycine, serine and threonine metabolism, Histidine metabolism, Phenylalanine metabolism, Tryptophan metabolism, Tyrosine metabolism, beta-Alanine metabolism | Hsp:MEMBRANE COPPER AMINE OXIDASE | |
| 25098 J | | 1 | AA108277 | | | |
| 25183 K | | 495 | AF050159 | | insulin receptor substrate 2 | |
| 25198 J | | 1689 | NM_021754 | | | |
| 25203 E | | 501 | AF079873 | | | |
| 25246 M | | 1321 | AJ011607 | | | |
| 25257 C,I | | 1328 | D13623 | | | |
| 25290 M,O | | 1339 | D42148 | | | |
| 25313 I | | 1347 | D87991 | | | |
| 25370 B,Q | | 1387 | L16995 | | | |
| 25379 Q | | 1394 | L26292 | | | |
| 25397 E | | 1401 | M12822 | | | |
| 25409 E | | 1408 | M18527 | | | |
| 25410 E | | 1409 | M18528 | | | |
| 25411 E | | 1410 | M18529 | | | |
| 25413 E | | 1411 | M18531 | | | |
| 25480 A,G | | 1432 | S46785 | | | |
| 25525 P | | 1437 | S72505 | Glutathione metabolism | Hsp:GLUTATHIONE S-TRANSFERASE YC-1 | |
| 25567 A,J | | 1441 | S85184 | | | |
| 25615 E | | 1466 | U58466 | | | |

| TABLE 1 | | | | | Document Number: 1650775 | |
|---------|-----------------|------------------------|----------------|----------|--------------------------|-----------------------|
| GLGC ID | Comparison Code | Nucleotide Sequence ID | GenBank Acc ID | Pathways | Known Gene Name | Unigene Cluster Title |
| 25618 | M | 1470 | U64705 | | | |
| 25619 | M | 1470 | U64705 | | | |
| 25632 | G | 1476 | U75405 | | | |
| 25644 | E | 1479 | U77931 | | | |
| 25675 | A | 1493 | X14181 | | | |
| 25702 | A | 1502 | X58465 | | | |
| 25705 | H | 1504 | X59375 | | | |
| 25706 | L | 1506 | X59608 | | | |
| 25718 | I,O | 1508 | X62145 | | ribosomal protein L8 | |
| 25725 | K | 1510 | X62660 | | | |
| 25747 | A,F | 1518 | X81448 | | | |
| 25768 | Q | 1520 | X94769 | | | |
| 25777 | E | 1523 | Y08355 | | | |
| 25802 | E,I | 1352 | E02315 | | | |
| 25814 | H | 1696 | NM_022268 | | | |
| 25852 | L | 1305 | AI638998 | | | |
| 25892 | G | 1309 | AI639101 | | | |
| 25907 | J | 1313 | AI639167 | | | |
| 25938 | B | 1314 | AI639281 | | | |
| 26088 | E | 291 | AA901152 | | | |
| 26109 | S | 441 | AA997009 | | | |
| 26123 | D | 511 | AI008396 | | | |
| 26133 | M | 532 | AI009950 | | | |
| 26147 | E | 563 | AI013387 | | | |
| 26152 | N | 576 | AI028938 | | | |
| 26190 | E,R | 688 | AI072578 | | | |
| 26280 | Q | 1082 | AI227562 | | | |
| 26288 | E | 1134 | AI230577 | | | |
| 26320 | M | 1242 | AI234927 | | | |

| TABLE 1 | | | | | Document Number 1650775 | |
|---------|-----------------|------------------------|----------------|----------|-------------------------|-----------------------|
| GLGC ID | Comparison Code | Nucleotide Sequence ID | GenBank Acc ID | Pathways | Known Gene Name | Unigene Cluster Title |
| 26368 | E | 1367 | H34047 | | | |
| 26369 | C,D | 1369 | H34687 | | | |

| TABLE 3A: General Toxicity | | | | Document Number 1650775 | |
|----------------------------|----------|-----------|-----------|-------------------------|---------------|
| GLGC ID | Tox Mean | Tox Stdev | LDA Score | Non Tox Mean | Non Tox Stdev |
| 21471 | 30.43 | 93.54 | 75 | -42.67 | 24.83 |
| 13203 | 35.33 | 61.64 | 74 | -31.14 | 29.79 |
| 19909 | 22.08 | 33.51 | 73 | -15.41 | 29.38 |
| 4553 | 13.83 | 18.08 | 72 | 1.43 | 6.49 |
| 15301 | 124.27 | 140.5 | 77 | 5.51 | 36.16 |
| 20456 | 42.5 | 31.85 | 70 | 7.46 | 20.45 |
| 23679 | 57.12 | 66.55 | 72 | 8.07 | 7.49 |
| 14693 | 37.57 | 38.27 | 72 | 9.49 | 11.63 |
| 12471 | 26.73 | 25.33 | 73 | 9.55 | 21.73 |
| 923 | 60.74 | 80.74 | 71 | 9.6 | 6.57 |
| 15647 | 49.51 | 40.73 | 72 | 10.9 | 23.58 |
| 6322 | 45.84 | 55.48 | 70 | 12.42 | 10.76 |
| 16314 | 48.7 | 48.51 | 70 | 12.45 | 16.75 |
| 25052 | 90.08 | 154.89 | 70 | 14.05 | 18.5 |
| 2164 | 57.65 | 53.74 | 73 | 14.96 | 17.31 |
| 16006 | 58.93 | 36.27 | 80 | 15.18 | 19.39 |
| 25054 | 45.65 | 42.59 | 72 | 15.37 | 40.01 |
| 6410 | 4.65 | 23.5 | 70 | 15.8 | 61.49 |
| 23500 | 39.03 | 35.28 | 70 | 16.65 | 11.6 |
| 16312 | 39.06 | 24.35 | 75 | 17.24 | 10.59 |
| 19843 | 2.55 | 18.74 | 74 | 17.7 | 10.31 |
| 14996 | 58.1 | 47.71 | 71 | 20.43 | 22.52 |
| 16085 | 60.79 | 45.9 | 70 | 21.59 | 14.6 |
| 17982 | 49.3 | 27.48 | 70 | 23.22 | 18.41 |
| 6226 | 46.81 | 36.97 | 71 | 23.54 | 10.28 |
| 9326 | 6.05 | 16.52 | 70 | 24.18 | 25.4 |
| 15055 | -7.1 | 34.32 | 70 | 24.3 | 26.9 |
| 351 | 94.58 | 92.7 | 71 | 26.37 | 19.43 |
| 1126 | 48.74 | 21.68 | 72 | 26.96 | 14.06 |
| 20161 | 87.17 | 88.37 | 76 | 27.44 | 26.92 |
| 8766 | -14.3 | 48.76 | 75 | 27.97 | 35.81 |
| 23511 | 12.84 | 20.12 | 72 | 29.05 | 16 |
| 5461 | 77.51 | 74.15 | 71 | 29.28 | 16.66 |
| 12216 | -22.58 | 61.28 | 71 | 29.83 | 80.65 |
| 5384 | 100.6 | 91.07 | 76 | 30.03 | 29.52 |
| 18389 | 43.98 | 46.66 | 74 | 31.53 | 26.82 |
| 21695 | 45.44 | 55.44 | 72 | 31.53 | 16.62 |
| 11357 | 17.28 | 18.76 | 73 | 31.76 | 16.7 |
| 14424 | 567.82 | 812.48 | 70 | 32.4 | 34.02 |
| 9331 | 60.44 | 27.33 | 70 | 33.81 | 15.06 |
| 23767 | 23.85 | 17.49 | 71 | 34.2 | 50.3 |
| 15862 | 62.08 | 31.33 | 71 | 34.72 | 12.31 |
| 20449 | 117.61 | 143.09 | 71 | 35.82 | 9.2 |
| 10248 | 68.54 | 26.33 | 77 | 36.88 | 16.24 |

| TABLE 3A: General Toxicity | | | | Document Number 1650775 | |
|----------------------------|----------|-----------|-----------|-------------------------|---------------|
| GLGC ID | Tox Mean | Tox Stdev | LDA Score | Non Tox Mean | Non Tox Stdev |
| 23082 | 23.23 | 17.75 | 71 | 37.04 | 12.65 |
| 9425 | 17.36 | 27.44 | 71 | 37.87 | 17.12 |
| 16730 | 73.58 | 39.38 | 73 | 39.09 | 20.24 |
| 9583 | 161.94 | 162.1 | 73 | 39.37 | 25.85 |
| 11563 | 71.92 | 56.8 | 70 | 39.98 | 27.02 |
| 352 | 130.52 | 119.67 | 76 | 40.04 | 18.99 |
| 6604 | 24.19 | 16.7 | 74 | 41.3 | 15.53 |
| 7243 | 91.87 | 50.42 | 74 | 41.4 | 14.59 |
| 17709 | 71.49 | 47.04 | 70 | 41.77 | 28.89 |
| 1583 | 62.93 | 26.33 | 71 | 41.81 | 9.01 |
| 761 | 28.63 | 19.45 | 70 | 43.38 | 21.32 |
| 3849 | 81.84 | 39.76 | 71 | 43.61 | 16.59 |
| 24284 | 65.8 | 20.86 | 74 | 45.29 | 13.2 |
| 3207 | 25.59 | 109.41 | 70 | 45.31 | 54.06 |
| 21707 | 108.81 | 66.66 | 72 | 45.32 | 39.4 |
| 17589 | 85.64 | 50.71 | 71 | 46.93 | 27.53 |
| 22212 | 112.59 | 77.44 | 70 | 47.96 | 21.25 |
| 5175 | 72.78 | 115.19 | 71 | 48.48 | 31.56 |
| 7299 | 220.49 | 225.32 | 77 | 49.33 | 34.75 |
| 19678 | 3.58 | 46.62 | 75 | 49.59 | 34.93 |
| 21088 | 58.85 | 18.82 | 72 | 51.63 | 11.12 |
| 15892 | 152 | 118.78 | 75 | 52.52 | 42.58 |
| 14353 | 84.25 | 29.24 | 74 | 53.47 | 12.39 |
| 11527 | 119.25 | 79.46 | 70 | 54.98 | 27.79 |
| 13749 | 38.3 | 29.23 | 73 | 55.43 | 20.89 |
| 4281 | 38.95 | 21.16 | 70 | 57.15 | 17.8 |
| 353 | 194.24 | 177.12 | 76 | 57.46 | 26.37 |
| 14206 | 41.14 | 16.67 | 73 | 57.71 | 14.34 |
| 16080 | 207.65 | 183.99 | 77 | 58.82 | 28.68 |
| 6682 | 53.78 | 37.44 | 70 | 59.02 | 19.46 |
| 825 | 42.12 | 20.91 | 71 | 59.35 | 17.09 |
| 7918 | 90.4 | 45.57 | 71 | 60.65 | 23.06 |
| 21150 | 138.34 | 101.42 | 71 | 64.19 | 46.67 |
| 7531 | 57.13 | 26.96 | 70 | 64.99 | 18.47 |
| 22487 | 81.97 | 69.8 | 71 | 66.94 | 27.76 |
| 24264 | 112.04 | 51.05 | 72 | 67.41 | 29.12 |
| 22077 | 46.19 | 26.57 | 70 | 67.77 | 24.16 |
| 21209 | 174.43 | 157.48 | 73 | 70.46 | 46.49 |
| 20772 | 102.74 | 37.31 | 72 | 70.49 | 15.59 |
| 8600 | 33.46 | 36.07 | 72 | 71.84 | 38.68 |
| 9826 | 49.36 | 28.75 | 70 | 72 | 22.77 |
| 17688 | 108.65 | 39.15 | 70 | 72.62 | 19.69 |
| 6640 | 40.46 | 39.18 | 74 | 73.64 | 29.52 |
| 3074 | 75.98 | 91.66 | 70 | 73.84 | 44.71 |

| TABLE 3A: General Toxicity | | | | Document Number 1650775 | |
|----------------------------|----------|-----------|-----------|-------------------------|---------------|
| GLGC ID | Tox Mean | Tox Stdev | LDA Score | Non Tox Mean | Non Tox Stdev |
| 4473 | 54.98 | 25.48 | 70 | 74.37 | 21.06 |
| 354 | 227.5 | 203.23 | 77 | 74.89 | 23.89 |
| 23522 | 107.75 | 42.24 | 73 | 74.91 | 18.29 |
| 15299 | 176.87 | 143.39 | 75 | 75.35 | 20.66 |
| 13166 | 145.19 | 92.31 | 71 | 75.39 | 33.67 |
| 7936 | 59.06 | 21.73 | 70 | 76.33 | 18.71 |
| 17819 | 57.46 | 25.12 | 71 | 76.84 | 20.15 |
| 17908 | 191.58 | 159.91 | 71 | 77.06 | 30.42 |
| 7681 | 125.85 | 57.35 | 71 | 77.88 | 39.68 |
| 23633 | 66.31 | 40.72 | 70 | 78.12 | 28.98 |
| 19508 | 49.65 | 31.49 | 70 | 78.53 | 32.19 |
| 9541 | 166.47 | 123.33 | 72 | 79.59 | 34.68 |
| 16446 | 58.49 | 21.61 | 71 | 80.2 | 20.86 |
| 17377 | 119.83 | 80.06 | 72 | 82.65 | 37.63 |
| 20801 | 136.04 | 60.94 | 71 | 83 | 38.58 |
| 7352 | 164.48 | 94.53 | 70 | 83.91 | 38.34 |
| 2901 | 63.21 | 31.06 | 71 | 84.9 | 24.78 |
| 15156 | 85.12 | 43.67 | 71 | 85.31 | 23.45 |
| 22877 | 140.94 | 62.91 | 71 | 85.66 | 25.88 |
| 15207 | 112.17 | 89.27 | 73 | 85.8 | 32.15 |
| 9627 | 65.98 | 37.05 | 73 | 86.7 | 25.5 |
| 4017 | 71.08 | 40.29 | 70 | 86.72 | 27.99 |
| 4944 | 252.32 | 217.46 | 76 | 86.84 | 38.34 |
| 3073 | 78.22 | 126.03 | 72 | 87.19 | 58.64 |
| 5046 | 99.33 | 75.05 | 70 | 91.34 | 37.3 |
| 3713 | 66.05 | 38.37 | 71 | 91.52 | 27.81 |
| 11576 | 56.54 | 27.2 | 75 | 92.19 | 28.07 |
| 1246 | 57.52 | 28.55 | 70 | 92.34 | 25.09 |
| 15382 | 699.61 | 884.63 | 73 | 92.89 | 30.78 |
| 18109 | 105.09 | 108.04 | 71 | 93.58 | 44.98 |
| 18906 | 66.76 | 34.6 | 72 | 93.87 | 22.06 |
| 16324 | 65.53 | 39.09 | 72 | 94.25 | 27.97 |
| 7903 | 31.76 | 35.55 | 72 | 94.94 | 65.97 |
| 7063 | 179.3 | 93.83 | 74 | 95.16 | 22.48 |
| 9053 | 60.23 | 42.49 | 72 | 97.12 | 25.77 |
| 5813 | 67.41 | 28.11 | 70 | 97.48 | 35.73 |
| 9245 | 39.62 | 45.11 | 73 | 97.55 | 55.74 |
| 16081 | 293.48 | 225.5 | 78 | 97.81 | 34.89 |
| 19085 | 146.97 | 54.5 | 71 | 98.39 | 27.86 |
| 3189 | 48.18 | 30.77 | 70 | 99.15 | 55.31 |
| 12655 | 74.53 | 78.23 | 70 | 99.85 | 45.15 |
| 5219 | 54.76 | 44.93 | 70 | 100.79 | 47.29 |
| 7062 | 157.19 | 68.98 | 70 | 101.14 | 24.11 |
| 6820 | 132.9 | 40.9 | 71 | 101.15 | 18.57 |

| TABLE 3A: General Toxicity | | | | Document Number 1650775 | |
|----------------------------|----------|-----------|-----------|-------------------------|---------------|
| GLGC ID | Tox Mean | Tox Stdev | LDA Score | Non Tox Mean | Non Tox Stdev |
| 21025 | 52.78 | 49.73 | 75 | 102 | 38.88 |
| 14746 | 72.12 | 42.89 | 70 | 102.6 | 35.3 |
| 11745 | 127.84 | 29.61 | 71 | 102.7 | 19.78 |
| 20035 | 330.62 | 323.46 | 73 | 105.65 | 47.24 |
| 12587 | 72.78 | 43.64 | 72 | 105.95 | 35.48 |
| 2372 | 89.09 | 42.56 | 70 | 107.07 | 30.91 |
| 2383 | 87.59 | 39.36 | 72 | 108.56 | 32.43 |
| 2532 | 28.55 | 57.57 | 72 | 109.2 | 73.94 |
| 11959 | 91.5 | 26.27 | 70 | 109.84 | 20.36 |
| 24375 | 200.33 | 108.66 | 72 | 110.42 | 32.85 |
| 15884 | 135.81 | 86.11 | 70 | 111.91 | 36.88 |
| 2576 | 81.51 | 44.81 | 71 | 112.47 | 36.08 |
| 23955 | 98.48 | 60.26 | 72 | 113.59 | 36.89 |
| 5008 | 152.54 | 61.16 | 71 | 113.65 | 24.98 |
| 20891 | 174.25 | 85.84 | 72 | 114.45 | 35.06 |
| 18390 | 78.44 | 44.36 | 70 | 116.93 | 42.8 |
| 1844 | 172.33 | 73.68 | 70 | 117.06 | 23.94 |
| 17591 | 177.66 | 76.44 | 70 | 119.35 | 26.88 |
| 22038 | 178.88 | 77.12 | 70 | 119.93 | 32.92 |
| 20874 | 102.83 | 26.99 | 76 | 120.76 | 19.57 |
| 17844 | 225.91 | 107.09 | 73 | 120.8 | 50.32 |
| 11691 | 80.29 | 49.49 | 73 | 124.21 | 42.81 |
| 19086 | 192.42 | 71.46 | 72 | 124.7 | 32.65 |
| 14937 | 93.31 | 50.67 | 75 | 125.88 | 34.64 |
| 20513 | 76.12 | 59.17 | 72 | 127.29 | 74 |
| 6037 | 90.3 | 39.56 | 73 | 127.31 | 44.99 |
| 12332 | 24.75 | 72.13 | 73 | 128.95 | 100.98 |
| 17335 | 99.84 | 36.82 | 73 | 129.97 | 30.57 |
| 134 | 71.14 | 58.38 | 77 | 133.41 | 39.47 |
| 7784 | 109.76 | 36.32 | 70 | 134.08 | 25.84 |
| 25567 | 222.63 | 133.25 | 70 | 134.17 | 40.36 |
| 4951 | 296.48 | 152.65 | 74 | 135.21 | 102.87 |
| 13351 | 87.72 | 56.78 | 76 | 135.45 | 45.49 |
| 22432 | 207.69 | 93.56 | 71 | 137.45 | 35.3 |
| 3075 | 134.78 | 146.57 | 74 | 138.67 | 65.46 |
| 16134 | 88.41 | 44.61 | 74 | 139.59 | 36.27 |
| 18660 | 99.04 | 62.72 | 74 | 141.07 | 60.13 |
| 17225 | 208.62 | 72.16 | 71 | 141.32 | 36.37 |
| 10509 | 91.25 | 50 | 70 | 142.42 | 48.95 |
| 6190 | 108.44 | 39.25 | 71 | 142.68 | 30.93 |
| 17393 | 216.6 | 101.01 | 70 | 144.48 | 27.96 |
| 22197 | 295.18 | 157.65 | 75 | 144.6 | 54.77 |
| 19952 | 98.31 | 43.39 | 75 | 145.63 | 36.13 |
| 1690 | 206.44 | 90.45 | 70 | 147.21 | 36.46 |

| TABLE 3A: General Toxicity | | | | Document Number 1650775 | |
|----------------------------|----------|-----------|-----------|-------------------------|---------------|
| GLGC ID | Tox Mean | Tox Stdev | LDA Score | Non Tox Mean | Non Tox Stdev |
| 14997 | 311.34 | 155.46 | 77 | 193.29 | 31.96 |
| 7617 | 133.32 | 123.53 | 70 | 193.38 | 108.54 |
| 11404 | 425.93 | 237.07 | 74 | 193.8 | 75.57 |
| 14095 | 145.71 | 64.97 | 77 | 194.48 | 44.06 |
| 16766 | 128.68 | 62.34 | 72 | 197.3 | 64.57 |
| 13757 | 132.12 | 63.33 | 72 | 197.76 | 47.88 |
| 3981 | 165.72 | 126.27 | 71 | 199.27 | 79.29 |
| 6632 | 374.92 | 164.24 | 76 | 199.58 | 56.28 |
| 22770 | 344.97 | 196.08 | 74 | 199.66 | 52.17 |
| 1099 | 159.6 | 51.35 | 71 | 200.56 | 47.88 |
| 15170 | 132.07 | 62.08 | 79 | 201.16 | 44.18 |
| 21125 | 104.89 | 85.5 | 74 | 205.52 | 74.23 |
| 23499 | 149 | 73.65 | 71 | 206.76 | 68.16 |
| 16765 | 131.63 | 64.51 | 74 | 208.95 | 60.5 |
| 23321 | 173.83 | 57.63 | 71 | 209.49 | 31.61 |
| 18908 | 94.04 | 112.32 | 72 | 209.75 | 126.49 |
| 4360 | 159.27 | 76.32 | 72 | 212.18 | 102.53 |
| 5027 | 165.48 | 78.52 | 73 | 212.59 | 52.82 |
| 14007 | 147.14 | 73.93 | 77 | 213.84 | 62.97 |
| 4719 | 153.89 | 88.13 | 74 | 216.28 | 70.99 |
| 9754 | 78.35 | 97.33 | 75 | 218.88 | 111.68 |
| 5867 | 342.61 | 167.79 | 70 | 219.32 | 57.15 |
| 16859 | 374.28 | 189.12 | 73 | 220.43 | 60.14 |
| 24434 | 132.32 | 69.32 | 71 | 226.73 | 56.25 |
| 22683 | 206.07 | 65.39 | 71 | 228.15 | 41.78 |
| 13963 | 218.82 | 179.67 | 72 | 228.18 | 75.69 |
| 11179 | 165.79 | 72.22 | 70 | 230.16 | 61.5 |
| 23445 | 110.29 | 87.9 | 82 | 231.61 | 62.42 |
| 18115 | 174.03 | 108.43 | 71 | 231.75 | 102.05 |
| 11429 | 189.45 | 42.84 | 72 | 232.42 | 40.03 |
| 11520 | 175.16 | 127.89 | 72 | 233.8 | 92.23 |
| 7927 | 202.04 | 106.05 | 70 | 234.79 | 57.37 |
| 22099 | 137.03 | 97.01 | 71 | 235.76 | 97.02 |
| 7888 | 376.09 | 171.23 | 72 | 236.43 | 56.75 |
| 17496 | 75.49 | 73.53 | 76 | 239.51 | 173.47 |
| 11742 | 161.82 | 79.25 | 71 | 239.68 | 82.64 |
| 6855 | 194.24 | 59.54 | 71 | 245.57 | 58.27 |
| 22928 | 87.17 | 110.53 | 70 | 245.88 | 162.18 |
| 7064 | 397.22 | 140.47 | 77 | 247.28 | 40.15 |
| 10879 | 202.31 | 103.86 | 70 | 248.56 | 66.82 |
| 20757 | 401.81 | 200.88 | 71 | 249.74 | 57.1 |
| 7113 | 200.31 | 111.11 | 74 | 250.23 | 78.75 |
| 11635 | 186.84 | 60.17 | 75 | 254.75 | 47.63 |
| 135 | 174.94 | 73.25 | 78 | 256.19 | 65.78 |

| TABLE 3A: General Toxicity | | | | Document Number 1650775 | |
|----------------------------|----------|-----------|-----------|-------------------------|---------------|
| GLGC ID | Tox Mean | Tox Stdev | LDA Score | Non Tox Mean | Non Tox Stdev |
| 1409 | 258.93 | 68.93 | 72 | 323.5 | 60.85 |
| 17049 | 207.81 | 93.01 | 77 | 324.1 | 63.71 |
| 7003 | 213.89 | 133.94 | 75 | 328.74 | 101.01 |
| 15612 | 208.41 | 106.4 | 71 | 329.06 | 202.57 |
| 851 | 259.03 | 53.32 | 76 | 331.68 | 47.82 |
| 4291 | 203.94 | 139.04 | 77 | 334.29 | 127.4 |
| 1478 | 262.27 | 68.1 | 74 | 334.41 | 51.89 |
| 7868 | 201.78 | 131.72 | 80 | 338.05 | 94.52 |
| 19469 | 284.04 | 59.16 | 72 | 342.98 | 50.36 |
| 15700 | 259.03 | 65.96 | 77 | 345.34 | 50.31 |
| 15197 | 263 | 83.78 | 70 | 348.89 | 85.31 |
| 2484 | 152.64 | 144.08 | 75 | 349.45 | 189.22 |
| 21396 | 274.52 | 76.97 | 73 | 354.24 | 57.86 |
| 15032 | 262.98 | 104.76 | 72 | 354.96 | 94.2 |
| 6825 | 321.55 | 146.79 | 71 | 355.67 | 98.41 |
| 14767 | 212.27 | 97.6 | 80 | 359.19 | 95.6 |
| 15136 | 482.9 | 133.86 | 71 | 361.06 | 68.44 |
| 2993 | 498.11 | 173.18 | 73 | 362.5 | 53.1 |
| 1175 | 211.25 | 155.83 | 72 | 367.03 | 107.25 |
| 16680 | 296.57 | 157.31 | 71 | 368.4 | 135.7 |
| 961 | 300.69 | 83.8 | 73 | 370.86 | 65.28 |
| 2696 | 463.19 | 111.26 | 71 | 371.94 | 59.78 |
| 17256 | 266.11 | 96.28 | 72 | 373.05 | 70.36 |
| 4937 | 305.59 | 112.68 | 74 | 375.59 | 89.26 |
| 18860 | 314.98 | 128.88 | 70 | 375.92 | 92.09 |
| 23884 | 312.54 | 72.12 | 70 | 379.68 | 59.35 |
| 17850 | 516.17 | 220.77 | 70 | 383.69 | 72.82 |
| 17175 | 504.94 | 132.64 | 72 | 384.43 | 64.15 |
| 12946 | 275.06 | 103.13 | 74 | 384.61 | 80.84 |
| 23322 | 308.64 | 91.46 | 73 | 385.69 | 58.02 |
| 16327 | 318.14 | 112.83 | 72 | 386.27 | 63.57 |
| 6824 | 820.68 | 540.91 | 70 | 386.87 | 102.09 |
| 1900 | 230.35 | 153.17 | 72 | 387.22 | 135.44 |
| 14869 | 290.26 | 114.01 | 70 | 388.39 | 93.33 |
| 15239 | 472.89 | 104.14 | 70 | 393.48 | 56.96 |
| 20694 | 256 | 155.8 | 75 | 396.34 | 127.36 |
| 6321 | 661.68 | 352.96 | 71 | 397.84 | 101.24 |
| 21157 | 628.44 | 255.63 | 70 | 401.01 | 132.71 |
| 1529 | 316.33 | 75.8 | 73 | 401.61 | 56.86 |
| 5934 | 166.87 | 133.41 | 76 | 401.67 | 162.84 |
| 18597 | 452.56 | 154.66 | 72 | 402.92 | 64.14 |
| 6801 | 284.93 | 123.62 | 70 | 403.58 | 114.82 |
| 8317 | 302.02 | 115.59 | 71 | 403.7 | 92.47 |
| 3959 | 651.41 | 284.48 | 73 | 404.94 | 125.39 |

| TABLE 3A: General Toxicity | | | | Document Number 1650775 | |
|----------------------------|----------|-----------|-----------|-------------------------|---------------|
| GLGC ID | Tox Mean | Tox Stdev | LDA Score | Non Tox Mean | Non Tox Stdev |
| 6017 | 218.37 | 162.51 | 71 | 408.35 | 157.64 |
| 7785 | 309.16 | 154.16 | 71 | 411.11 | 92.69 |
| 18453 | 272.77 | 135.91 | 72 | 412.12 | 103.91 |
| 11157 | 347.22 | 111.72 | 73 | 412.71 | 76.32 |
| 2799 | 186.49 | 165.24 | 73 | 413.66 | 193.94 |
| 18606 | 551.54 | 140.45 | 71 | 415.6 | 65.98 |
| 25480 | 298.56 | 93.25 | 80 | 417.76 | 62.1 |
| 6554 | 327.78 | 86.42 | 75 | 418.15 | 72.16 |
| 22395 | 337.48 | 106 | 70 | 424.15 | 101.1 |
| 18861 | 353.52 | 146.94 | 71 | 431.18 | 96.34 |
| 556 | 363.95 | 72.87 | 72 | 431.39 | 47.74 |
| 15016 | 614.84 | 191.45 | 72 | 431.42 | 106 |
| 20707 | 297.52 | 182.87 | 72 | 432.6 | 110.59 |
| 6615 | 313.91 | 151.88 | 70 | 435.29 | 105.91 |
| 25675 | 559.03 | 149.18 | 71 | 435.84 | 78.46 |
| 24458 | 391.59 | 66.22 | 70 | 440.47 | 58.22 |
| 2264 | 348.28 | 114.55 | 70 | 442.01 | 101.65 |
| 811 | 339.77 | 83.76 | 80 | 442.46 | 54.75 |
| 14962 | 595.24 | 186.44 | 71 | 443.26 | 86.3 |
| 9905 | 351.99 | 86.2 | 73 | 443.66 | 62.13 |
| 4670 | 1011.12 | 757.17 | 70 | 449.34 | 279.51 |
| 15135 | 572.07 | 128.52 | 72 | 452.98 | 71.41 |
| 1877 | 381.72 | 99.89 | 72 | 455.58 | 70.01 |
| 2905 | 368.76 | 236.61 | 74 | 455.99 | 171.06 |
| 10176 | 362.61 | 131.62 | 73 | 458.21 | 78.68 |
| 8880 | 270.36 | 150.83 | 71 | 461.94 | 178.82 |
| 21977 | 333.82 | 102.68 | 78 | 464.63 | 71.57 |
| 19103 | 373.87 | 152.27 | 72 | 466.17 | 87.18 |
| 2505 | 361.86 | 109.11 | 73 | 466.31 | 72.15 |
| 7582 | 256.38 | 164.17 | 72 | 466.34 | 223.76 |
| 18001 | 369.81 | 89.98 | 72 | 467.77 | 75.36 |
| 15755 | 405.73 | 112.28 | 71 | 473.79 | 67.48 |
| 24577 | 583.7 | 137.54 | 73 | 474.11 | 65.9 |
| 20299 | 326.39 | 113.27 | 76 | 477.33 | 90.93 |
| 7697 | 273.75 | 100.92 | 83 | 481.09 | 117.81 |
| 18867 | 425.79 | 164.92 | 71 | 486.56 | 85.09 |
| 16726 | 386.57 | 78.35 | 71 | 489.29 | 90.61 |
| 18522 | 338.66 | 110.39 | 78 | 493.05 | 127.44 |
| 794 | 364.93 | 131.6 | 73 | 493.86 | 73.31 |
| 21097 | 596.6 | 213.78 | 72 | 494.87 | 76.63 |
| 11166 | 392.77 | 163.68 | 74 | 496.16 | 102.35 |
| 3823 | 819.94 | 253.21 | 84 | 496.62 | 131.46 |
| 20701 | 546.93 | 267.9 | 71 | 497.17 | 122.04 |
| 13283 | 374.45 | 137.36 | 71 | 498.65 | 90.97 |

| TABLE 3A: General Toxicity | | | | Document Number 1650775 | |
|----------------------------|----------|-----------|-----------|-------------------------|---------------|
| GLGC ID | Tox Mean | Tox Stdev | LDA Score | Non Tox Mean | Non Tox Stdev |
| 14312 | 379.02 | 130.24 | 70 | 498.8 | 162.03 |
| 1561 | 489.56 | 192.41 | 70 | 503.1 | 74.48 |
| 11693 | 280.1 | 210.45 | 74 | 504.39 | 202.02 |
| 19470 | 355.43 | 120.62 | 75 | 507.23 | 102.75 |
| 20705 | 406.75 | 228.32 | 72 | 520.73 | 125.68 |
| 6060 | 377.46 | 110.54 | 75 | 524.04 | 95.02 |
| 4143 | 411.36 | 153.04 | 70 | 526.83 | 142.72 |
| 573 | 397.93 | 141.77 | 74 | 527.31 | 101.53 |
| 2111 | 431.14 | 135.97 | 70 | 535.18 | 95.74 |
| 6132 | 389.97 | 132.3 | 70 | 536.05 | 116.38 |
| 1531 | 432.89 | 99.85 | 74 | 537.37 | 84.23 |
| 13684 | 732.21 | 234.57 | 71 | 538.64 | 123.03 |
| 4914 | 320.44 | 176.4 | 77 | 542.57 | 159.28 |
| 16172 | 384.09 | 149.87 | 71 | 543.43 | 107 |
| 18661 | 375.83 | 155.78 | 71 | 546.25 | 136.03 |
| 14035 | 354.4 | 185.79 | 72 | 546.44 | 215.25 |
| 18452 | 376.32 | 156.49 | 75 | 548.91 | 124.57 |
| 10109 | 683.1 | 154.88 | 71 | 554.69 | 60.26 |
| 15113 | 422.52 | 185.06 | 72 | 557.21 | 136.1 |
| 12087 | 426.39 | 140.52 | 70 | 558.91 | 91.57 |
| 11492 | 398.17 | 152.29 | 73 | 559.08 | 143.79 |
| 14083 | 400.42 | 184.48 | 74 | 569.39 | 131.38 |
| 23961 | 487.24 | 102.51 | 71 | 571.23 | 72.66 |
| 6761 | 734.58 | 239.42 | 73 | 572.66 | 144.55 |
| 16993 | 402.56 | 131.25 | 80 | 574.27 | 86.25 |
| 11536 | 347.49 | 123.19 | 77 | 575.39 | 198.99 |
| 12312 | 415.93 | 131.04 | 75 | 579.26 | 98.18 |
| 20810 | 686.37 | 181.4 | 70 | 589.89 | 79.84 |
| 24771 | 441.44 | 127.76 | 75 | 592.18 | 94.5 |
| 6007 | 477.65 | 139.01 | 76 | 592.68 | 113.45 |
| 3145 | 432.3 | 212.79 | 72 | 610.87 | 178.16 |
| 12064 | 392.31 | 195.73 | 78 | 611.49 | 148.58 |
| 15080 | 468.83 | 133 | 74 | 613.82 | 131.38 |
| 22338 | 858.3 | 334.36 | 70 | 633.42 | 176.07 |
| 23437 | 417.21 | 173.85 | 75 | 633.59 | 238.89 |
| 20397 | 775.65 | 145.47 | 74 | 638.29 | 86.47 |
| 22930 | 206.34 | 282.8 | 72 | 638.83 | 389.14 |
| 5943 | 365.28 | 277.04 | 78 | 658.15 | 266.99 |
| 13088 | 440.35 | 191.07 | 72 | 659.11 | 130.73 |
| 3969 | 461.16 | 167.2 | 73 | 671.43 | 138.26 |
| 2536 | 229.18 | 164.07 | 75 | 680.76 | 402.5 |
| 8946 | 488.94 | 198.29 | 74 | 698.4 | 191.02 |
| 1173 | 454.86 | 255.52 | 73 | 701.71 | 147.85 |
| 6613 | 475.14 | 319.24 | 71 | 703.21 | 206.38 |

| TABLE 3A: General Toxicity | | | | Document Number 1650775 | |
|----------------------------|----------|-----------|-----------|-------------------------|---------------|
| GLGC ID | Tox Mean | Tox Stdev | LDA Score | Non Tox Mean | Non Tox Stdev |
| 14960 | 1815.81 | 619.16 | 72 | 1189.85 | 282.97 |
| 22368 | 809.54 | 304.72 | 78 | 1204.44 | 255.44 |
| 14512 | 758.14 | 344.89 | 75 | 1207.73 | 316.98 |
| 22929 | 345.04 | 524.79 | 76 | 1263.79 | 749.31 |
| 6633 | 1158.38 | 523.64 | 70 | 1282.41 | 230.42 |
| 5899 | 868.41 | 419.97 | 75 | 1320.55 | 275.91 |
| 17027 | 885.56 | 416.43 | 74 | 1334.54 | 460.45 |
| 633 | 1120.93 | 302.27 | 71 | 1460.55 | 215.38 |
| 15240 | 1096.17 | 411.07 | 71 | 1507.99 | 426.62 |
| 3916 | 981.26 | 439.68 | 78 | 1583.55 | 340.89 |
| 22554 | 987.76 | 444.02 | 77 | 1595.12 | 393.47 |
| 3995 | 1025.02 | 387.98 | 75 | 1611.33 | 356.12 |
| 16885 | 1112.24 | 354.14 | 71 | 1613.71 | 341.53 |
| 9889 | 981.18 | 477.47 | 73 | 1620.07 | 396.24 |
| 15029 | 925.54 | 487.41 | 79 | 1688.81 | 378.2 |
| 6015 | 1123.82 | 384.91 | 78 | 1698.32 | 346 |
| 4330 | 991.16 | 483.62 | 84 | 1718.02 | 326.97 |
| 18909 | 1097.68 | 570.79 | 73 | 1735.42 | 607.51 |
| 3934 | 1109.15 | 552.14 | 74 | 1739.43 | 460.08 |
| 19363 | 867.12 | 620.13 | 74 | 1779.39 | 738.12 |
| 18002 | 1288.49 | 485.23 | 71 | 1800.22 | 448.73 |
| 4933 | 1364.86 | 630.42 | 74 | 1830.55 | 501.46 |
| 6380 | 1372.29 | 707.55 | 71 | 1841.36 | 514.23 |
| 16883 | 1363.62 | 527.7 | 78 | 2010.57 | 420.12 |
| 6072 | 1574.16 | 580.37 | 71 | 2013.52 | 377.64 |
| 17812 | 1417.56 | 569.56 | 70 | 2054.51 | 507.28 |
| 16701 | 1417.08 | 583.17 | 75 | 2071.93 | 447.2 |
| 6016 | 1345.93 | 620.12 | 75 | 2194.85 | 585.99 |
| 23261 | 1440.1 | 757.17 | 76 | 2245.13 | 579.05 |
| 9016 | 1484.15 | 791.38 | 72 | 2570.48 | 765.58 |
| 17524 | 1867.91 | 789.56 | 72 | 2578.07 | 684.86 |
| 22558 | 2228.15 | 660.37 | 73 | 3099.17 | 679.05 |
| 20502 | 2254.47 | 1019.37 | 72 | 3293.47 | 799.82 |

| TABLE 3B: Hepatitis-inducing and NSAIDS | | | | Document Number 1650775 | |
|---|------------|-------------|-----------|-------------------------|-----------------|
| GLGC ID | Group Mean | Group Stdev | LDA Score | Non Group Mean | Non Group Stdev |
| 1661 | 41.81 | 18.92 | 85% | 1.48 | 29.99 |
| 16317 | 30.67 | 11.58 | 80% | 8.6 | 15.46 |
| 11893 | 54.33 | 34.89 | 85% | 10.78 | 84.99 |
| 1507 | 46.98 | 9 | 89% | 15.22 | 15.58 |
| 22966 | 36.69 | 8.83 | 81% | 19.74 | 17.28 |
| 19671 | 37.69 | 7.44 | 85% | 22.27 | 14.65 |
| 20016 | 36 | 8.96 | 81% | 22.47 | 17.54 |
| 18495 | 49.47 | 12.55 | 87% | 26.89 | 16.39 |
| 671 | 1.28 | 14.77 | 83% | 29.18 | 22.7 |
| 1221 | 443.26 | 150.05 | 94% | 31.23 | 89.26 |
| 25938 | 56.45 | 7.66 | 83% | 32.22 | 17.92 |
| 18389 | 86.77 | 18.28 | 87% | 33.41 | 32.92 |
| 11974 | -0.81 | 15.18 | 84% | 37.19 | 30.74 |
| 15834 | -27.94 | 45.21 | 80% | 40.53 | 65.46 |
| 20161 | 128.51 | 48.18 | 89% | 43.77 | 57.9 |
| 17809 | 73.73 | 16.32 | 83% | 46.32 | 27.65 |
| 7056 | 3.07 | 13.95 | 81% | 47.6 | 27.96 |
| 5384 | 140.18 | 41.23 | 89% | 47.78 | 62.23 |
| 16809 | 124.52 | 30.87 | 89% | 53.12 | 26.62 |
| 11423 | 97.3 | 21.17 | 90% | 54.32 | 20.04 |
| 22918 | 25.37 | 5.71 | 92% | 57.72 | 29.27 |
| 20354 | 223.3 | 84.74 | 94% | 65.21 | 49.13 |
| 18529 | 131.4 | 33.67 | 86% | 68.42 | 53.24 |
| 1514 | 90.15 | 14.51 | 83% | 70.26 | 23.25 |
| 8079 | -4.51 | 23.75 | 93% | 71.3 | 43.24 |
| 23847 | 116.7 | 16.84 | 84% | 72.04 | 35.87 |
| 9712 | 23.03 | 12.25 | 88% | 77.04 | 28.42 |
| 3660 | 16.83 | 21.57 | 82% | 79.66 | 62.38 |
| 11904 | 167.34 | 25.7 | 93% | 81.27 | 36.83 |
| 19158 | 45.35 | 20.66 | 81% | 83.61 | 36.03 |
| 3710 | -36.33 | 22.78 | 94% | 85.53 | 112.55 |
| 15207 | 201.4 | 59.51 | 87% | 87.46 | 53.13 |
| 18272 | 60.07 | 14.42 | 82% | 88.02 | 33.03 |
| 353 | 141.35 | 40.91 | 85% | 91.87 | 108.42 |
| 19410 | 151.13 | 23.55 | 87% | 95.16 | 23.41 |
| 22321 | 170.96 | 42.18 | 92% | 100.6 | 89.13 |
| 17277 | 197.62 | 54.02 | 87% | 107.61 | 40.04 |
| 8597 | 164.65 | 22.23 | 88% | 114.16 | 40.18 |
| 22151 | 53.9 | 21.51 | 85% | 114.65 | 59.1 |
| 8274 | 76.86 | 17.29 | 87% | 123.17 | 47.02 |
| 6532 | 271.93 | 51.51 | 94% | 134.9 | 41.19 |
| 21570 | 190.77 | 30.4 | 81% | 139.02 | 39.64 |
| 2555 | 331.4 | 107.66 | 92% | 140.78 | 56.13 |
| 25370 | 84.18 | 22.52 | 80% | 142.29 | 76.05 |

| TABLE 3B: Hepatitis-inducing and NSAIDS | | | | Document Number 1650775 | |
|---|------------|-------------|-----------|-------------------------|-----------------|
| GLGC ID | Group Mean | Group Stdev | LDA Score | Non Group Mean | Non Group Stdev |
| 14208 | 94.74 | 20.59 | 84% | 147.42 | 57.13 |
| 4250 | 206.6 | 31.57 | 81% | 151.25 | 44.71 |
| 1521 | 259.23 | 49.47 | 85% | 156.72 | 61.63 |
| 19075 | 223.09 | 35.39 | 81% | 163.86 | 101.01 |
| 23584 | 77.34 | 44.36 | 81% | 169.97 | 88.21 |
| 23855 | 348.59 | 60.39 | 85% | 174.64 | 78.04 |
| 9595 | 340.35 | 75.95 | 82% | 175.69 | 67.44 |
| 13332 | 103.75 | 23.14 | 88% | 187.8 | 61.54 |
| 10544 | 215.74 | 17.73 | 83% | 188.96 | 55.01 |
| 20914 | 95.15 | 42 | 80% | 195.52 | 132.48 |
| 1796 | 121.33 | 29.79 | 82% | 209 | 97.51 |
| 21039 | 106.61 | 32.3 | 84% | 211.38 | 102.32 |
| 18891 | 79.72 | 50.3 | 84% | 246.65 | 190.37 |
| 5464 | 135.66 | 32.82 | 82% | 247.44 | 149.05 |
| 15786 | 143.55 | 47.13 | 84% | 247.54 | 88.85 |
| 22619 | 538.26 | 124.75 | 87% | 252.1 | 119.33 |
| 2655 | 82.89 | 32.9 | 90% | 258.6 | 179.08 |
| 12156 | 181.92 | 29.95 | 83% | 278.7 | 159.97 |
| 17664 | 741.68 | 141.39 | 92% | 307.07 | 186.68 |
| 3504 | 500.63 | 92.33 | 90% | 315.63 | 104.18 |
| 21281 | 205.42 | 64.7 | 81% | 330.89 | 91.63 |
| 23890 | 215.59 | 58.3 | 82% | 335.94 | 112.79 |
| 21663 | 239 | 51.32 | 81% | 340.75 | 88.67 |
| 1795 | 160.6 | 58.49 | 90% | 341.81 | 148.58 |
| 6825 | 186.43 | 50.61 | 90% | 343.11 | 120.89 |
| 1900 | 172.64 | 60.15 | 81% | 346.3 | 165.46 |
| 18465 | 620.04 | 89.19 | 89% | 351.76 | 235.3 |
| 19412 | 785.76 | 148.65 | 93% | 362.14 | 121.09 |
| 4026 | 890.4 | 293.19 | 94% | 365.48 | 125.1 |
| 9148 | 247.98 | 44.83 | 82% | 370.2 | 91.6 |
| 12928 | 537.35 | 88.04 | 83% | 411.28 | 98.02 |
| 2905 | 272.3 | 68.62 | 83% | 428.13 | 203.06 |
| 21657 | 770.91 | 200.72 | 85% | 465.93 | 129.71 |
| 15127 | 328.43 | 46.16 | 84% | 473.84 | 141.3 |
| 20701 | 957.82 | 322.59 | 85% | 491.66 | 156.52 |
| 23125 | 211.15 | 54.99 | 87% | 522.67 | 517.03 |
| 15606 | 391.12 | 82.13 | 80% | 555.3 | 143.44 |
| 13557 | 380.72 | 110.05 | 84% | 601.18 | 180.33 |
| 3365 | 412.07 | 116.59 | 83% | 652.4 | 245.48 |
| 18890 | 249.81 | 125.41 | 88% | 681.61 | 362.92 |
| 21740 | 1634.89 | 574.14 | 94% | 692.6 | 269.8 |
| 3121 | 283.35 | 133.91 | 89% | 701.53 | 256.63 |
| 16458 | 914 | 77.34 | 87% | 721.93 | 196.36 |
| 11720 | 1413.34 | 300.55 | 94% | 727.31 | 251.26 |

| TABLE 3B: Hepatitis-Inducing and NSAIDS | | | | Document Number 1650775 | |
|---|------------|-------------|-----------|-------------------------|-----------------|
| GLGC ID | Group Mean | Group Stdev | LDA Score | Non Group Mean | Non Group Stdev |
| 11504 | 489.83 | 118.52 | 82% | 806.57 | 268.81 |
| 17768 | 607.41 | 128.96 | 82% | 831.34 | 168.24 |
| 13093 | 311.95 | 133.36 | 85% | 873.19 | 562.27 |
| 6236 | 496.56 | 151.3 | 84% | 902.06 | 432.96 |
| 23449 | 168.69 | 130.37 | 84% | 927.26 | 659.99 |
| 23989 | 1753.97 | 311.2 | 89% | 1058.6 | 400.01 |
| 23448 | 180.53 | 167.78 | 84% | 1073.75 | 757.46 |
| 24289 | 653.83 | 137.29 | 88% | 1100.08 | 340.79 |
| 16885 | 781.13 | 224.04 | 92% | 1490.2 | 403.55 |
| 3917 | 948.73 | 233.94 | 87% | 1606.37 | 494.39 |
| 6072 | 1216.55 | 290.18 | 86% | 1863.45 | 506.08 |
| 9016 | 1131.05 | 452.13 | 84% | 2271.36 | 942.23 |
| 6189 | 1001.77 | 624.81 | 84% | 2994.32 | 1665.75 |
| 16884 | 1730.22 | 430.96 | 83% | 3305.32 | 4446.34 |

| TABLE 3C: Necrosis and Fatty Liver | | | | Document Number 1650775 | |
|------------------------------------|------------|-------------|-----------|-------------------------|-----------------|
| GLGC ID | Group Mean | Group Stdev | LDA Score | Non Group Mean | Non Group Stdev |
| 19264 | 117.33 | 44.24 | 83% | 59.31 | 20.88 |
| 19150 | 109.31 | 32.72 | 86% | 60.72 | 15.98 |
| 17687 | 99.1 | 21.62 | 85% | 61.04 | 15.35 |
| 14462 | 156.22 | 62.83 | 84% | 62.47 | 36.02 |
| 7036 | 131.87 | 57.57 | 81% | 62.54 | 25.28 |
| 11527 | 177.9 | 80.35 | 84% | 62.69 | 44.14 |
| 20082 | 124.7 | 51.02 | 84% | 63.08 | 42.14 |
| 17736 | 432.83 | 313.35 | 81% | 65.71 | 142.15 |
| 1841 | 136.63 | 50.08 | 81% | 67.1 | 44.8 |
| 20523 | 102.48 | 38.3 | 83% | 67.66 | 66.06 |
| 12965 | 169.8 | 78.23 | 83% | 71.26 | 51.46 |
| 6085 | 208.53 | 104.4 | 83% | 72.61 | 45.7 |
| 14458 | 330.83 | 217.41 | 83% | 73.29 | 65.46 |
| 24236 | 184.01 | 75.75 | 85% | 73.32 | 33.88 |
| 23160 | 176.55 | 75.81 | 83% | 73.36 | 35.73 |
| 13251 | 323.03 | 180.5 | 84% | 75.07 | 50.76 |
| 9784 | 153.22 | 64.68 | 82% | 79.16 | 35.89 |
| 15398 | 239.17 | 147.09 | 84% | 79.65 | 55.81 |
| 353 | 280.56 | 162.02 | 81% | 80.59 | 90.86 |
| 20684 | 131.06 | 32.29 | 86% | 86.62 | 20.64 |
| 14258 | 198.53 | 76.19 | 81% | 87.06 | 38.11 |
| 22877 | 194.7 | 70.48 | 86% | 93.61 | 36.71 |
| 1411 | 202.73 | 82.72 | 81% | 98.83 | 39.17 |
| 11660 | 170.21 | 44.78 | 84% | 99.62 | 34.3 |
| 23099 | 201.64 | 75.74 | 81% | 104.62 | 41.86 |
| 23438 | 195.84 | 62.14 | 85% | 104.93 | 43.18 |
| 17734 | 614.42 | 397.11 | 81% | 110.47 | 174.81 |
| 7063 | 256.37 | 132.72 | 84% | 114.31 | 69.93 |
| 1399 | 215.1 | 91.12 | 82% | 116.84 | 76.67 |
| 5008 | 201.49 | 60.1 | 84% | 118.38 | 36.13 |
| 11331 | 223.98 | 89.07 | 83% | 120.5 | 40.92 |
| 25257 | 274.45 | 132.38 | 80% | 121.28 | 48.13 |
| 16321 | 210.67 | 63.57 | 83% | 124.13 | 43.97 |
| 20891 | 244.46 | 85.07 | 84% | 125.01 | 52.71 |
| 2938 | 92.66 | 29.87 | 81% | 127.24 | 29.13 |
| 22038 | 251.93 | 88.6 | 85% | 127.34 | 44.31 |
| 17369 | 207.5 | 75.1 | 82% | 129.13 | 60.27 |
| 5794 | 226.31 | 75.22 | 81% | 130.44 | 40.81 |
| 5489 | 273.17 | 111.54 | 82% | 136.39 | 59.55 |
| 20843 | 213.04 | 53.39 | 82% | 136.57 | 33.06 |
| 2555 | 219.93 | 71.85 | 81% | 139.38 | 59 |
| 15374 | 243.38 | 59.14 | 83% | 141.32 | 44.16 |
| 24388 | 624.21 | 327.48 | 89% | 143.82 | 68.72 |
| 22432 | 292.49 | 109.98 | 83% | 146.05 | 50.66 |

| TABLE 30: Necrosis and Fatty Liver | | | | Document Number 1650775 | |
|------------------------------------|------------|-------------|-----------|-------------------------|-----------------|
| GLGC ID | Group Mean | Group Stdev | LDA Score | Non Group Mean | Non Group Stdev |
| 11693 | 194.51 | 110.15 | 81% | 475.41 | 349.8 |
| 6132 | 303.54 | 124.75 | 81% | 496.77 | 136.48 |
| 7935 | 319.95 | 130.18 | 81% | 539.48 | 150.81 |
| 4193 | 471.49 | 196.67 | 86% | 732.69 | 138.33 |
| 2569 | 363.05 | 288.34 | 84% | 741.53 | 276.55 |
| 6143 | 440.17 | 239.99 | 82% | 761.21 | 219.76 |
| 20503 | 406.67 | 194.67 | 86% | 913.12 | 368.79 |
| 16703 | 657.32 | 260.25 | 82% | 1074.26 | 319.63 |
| 7403 | 747.37 | 603.65 | 82% | 1275.15 | 420.96 |
| 7199 | 888.57 | 501.29 | 81% | 1460.27 | 432.28 |
| 15029 | 731.54 | 467.45 | 85% | 1526.56 | 513.26 |
| 4330 | 744.46 | 374.66 | 83% | 1547.62 | 486.62 |
| 6380 | 907.19 | 397.41 | 84% | 1723.63 | 601.93 |
| 16883 | 1078.56 | 580.73 | 82% | 1877.14 | 516.54 |
| 6016 | 1048.32 | 457.34 | 84% | 2002.18 | 710.82 |
| 23261 | 1133.22 | 790.5 | 81% | 2083.71 | 702.84 |
| 9016 | 1179.45 | 473.8 | 81% | 2319.89 | 929.08 |

| TABLE 3D: Necrosis With or Without Fatty Liver | | | | Document Number 1650775 | |
|--|------------|-------------|-----------|-------------------------|-----------------|
| GLGC ID | Group Mean | Group Stdev | LDA Score | Non Group Mean | Non Group Stdev |
| 5780 | 149.44 | 174.82 | 83% | -46.61 | 31.66 |
| 14619 | 39.67 | 32.26 | 81% | 1.81 | 12.49 |
| 5504 | 40.54 | 56.94 | 82% | 4.45 | 12.06 |
| 13458 | 39.01 | 28.21 | 82% | 5.58 | 18.92 |
| 15860 | 31.78 | 22.42 | 81% | 6.3 | 24.49 |
| 14693 | 68.27 | 45.68 | 82% | 12.72 | 16.78 |
| 23679 | 113.2 | 81.03 | 82% | 13.37 | 19.88 |
| 15312 | 89.9 | 55.01 | 81% | 23.16 | 23.77 |
| 15861 | 75.5 | 43.95 | 86% | 23.4 | 41.45 |
| 9181 | 78.27 | 41.53 | 85% | 24.18 | 14.99 |
| 16085 | 90.49 | 54.22 | 81% | 28.58 | 22.73 |
| 13723 | 125.68 | 115.97 | 84% | 29.26 | 45.67 |
| 23260 | 150.76 | 92.71 | 85% | 36.36 | 35.87 |
| 9331 | 78.82 | 28.75 | 82% | 37.48 | 18.21 |
| 12614 | 122.76 | 74.47 | 81% | 39.76 | 23.36 |
| 13874 | 91.42 | 39.76 | 85% | 39.87 | 20 |
| 15862 | 87.12 | 32.75 | 83% | 41.59 | 40.71 |
| 2838 | 145.55 | 92.3 | 83% | 42.77 | 33.6 |
| 15313 | 138.73 | 76.22 | 81% | 43.33 | 32.1 |
| 2897 | 102.26 | 48.95 | 80% | 46.84 | 25.34 |
| 10549 | 187.81 | 138.33 | 82% | 48.44 | 38.17 |
| 14939 | 109.91 | 48.48 | 81% | 52.56 | 45.94 |
| 14242 | 115.77 | 46.52 | 85% | 52.64 | 24.7 |
| 17736 | 447.8 | 300.15 | 85% | 58.86 | 128.94 |
| 19264 | 110.15 | 43.15 | 81% | 59.01 | 20.79 |
| 14462 | 146.65 | 60.75 | 83% | 61.81 | 35.78 |
| 15663 | 150.74 | 81.27 | 81% | 61.88 | 28.94 |
| 13251 | 296.06 | 174.05 | 83% | 73.46 | 48.79 |
| 6012 | 176.64 | 72.48 | 83% | 84.55 | 40.71 |
| 22877 | 181.18 | 70.29 | 80% | 93.15 | 36.67 |
| 1411 | 191.96 | 79.06 | 80% | 98.12 | 38.82 |
| 11660 | 165 | 42.53 | 82% | 98.96 | 34.06 |
| 17734 | 628.16 | 382.62 | 85% | 101.62 | 156.16 |
| 6820 | 162.7 | 43.24 | 81% | 105.26 | 24.87 |
| 1399 | 254.19 | 123.38 | 83% | 112.16 | 66.1 |
| 7063 | 246.94 | 123.92 | 84% | 112.9 | 69.1 |
| 24375 | 284.9 | 130.19 | 82% | 122.22 | 50.94 |
| 22038 | 242.92 | 82.73 | 85% | 126.16 | 43.47 |
| 15282 | 345.28 | 174.2 | 83% | 133.39 | 77.83 |
| 20843 | 205.85 | 51.68 | 80% | 135.98 | 32.8 |
| 11235 | 307.17 | 131.67 | 83% | 138.32 | 42.12 |
| 15374 | 245.25 | 54.33 | 85% | 139.6 | 42.14 |
| 8886 | 258.45 | 90.02 | 82% | 140.07 | 40.87 |
| 24388 | 550.6 | 333.76 | 85% | 142.43 | 67.72 |

| TABLE 3D: Necrosis With or Without Fatty Liver | | | | Document Number 1650775 | |
|--|------------|-------------|-----------|-------------------------|-----------------|
| GLGC ID | Group Mean | Group Stdev | LDA Score | Non Group Mean | Non Group Stdev |
| 6039 | 298.35 | 118.74 | 82% | 149.78 | 54.28 |
| 26369 | 303.77 | 102.86 | 83% | 152.16 | 53.29 |
| 14051 | 288.38 | 98.7 | 81% | 155.61 | 51.3 |
| 4592 | 241.58 | 65.95 | 80% | 157.11 | 38.16 |
| 17735 | 549.36 | 298.48 | 85% | 159 | 133.2 |
| 7887 | 321.75 | 114.32 | 83% | 160.72 | 59.56 |
| 18755 | 284.26 | 77.14 | 85% | 161.37 | 50.75 |
| 4781 | 337.58 | 103.44 | 85% | 167.27 | 63.76 |
| 20735 | 413.37 | 184.38 | 86% | 182.1 | 67.45 |
| 7414 | 505.45 | 309.7 | 84% | 194.61 | 89.53 |
| 11403 | 734.85 | 335.38 | 87% | 196.39 | 177.82 |
| 15900 | 425.49 | 161.92 | 84% | 198.73 | 74.48 |
| 15543 | 413.52 | 162.64 | 83% | 212.02 | 73.08 |
| 23445 | 63.7 | 78.02 | 82% | 213.22 | 89.74 |
| 6911 | 135.77 | 67.21 | 81% | 214.68 | 51.49 |
| 11404 | 616.53 | 242.57 | 86% | 230.44 | 130.03 |
| 5867 | 485.57 | 189.97 | 84% | 231.42 | 77.22 |
| 1460 | 416.34 | 113.77 | 87% | 241.33 | 86.89 |
| 7888 | 525.74 | 174.65 | 87% | 253.82 | 84.82 |
| 26123 | 592.58 | 263.62 | 81% | 267.76 | 130.29 |
| 16756 | 536.74 | 209.62 | 86% | 278.76 | 136.63 |
| 24235 | 489.44 | 179.4 | 82% | 280.21 | 94.54 |
| 3418 | 575.64 | 197.63 | 85% | 295.93 | 78.26 |
| 19298 | 630.43 | 229.07 | 82% | 317.49 | 143.34 |
| 23120 | 479.07 | 107.1 | 84% | 319.7 | 71.63 |
| 2818 | 482.71 | 116.97 | 82% | 320.15 | 81.06 |
| 15700 | 230.09 | 67.32 | 81% | 324.4 | 64.93 |
| 228 | 236.54 | 61.87 | 80% | 334.29 | 69.66 |
| 15032 | 205.99 | 56.82 | 80% | 339.35 | 104.9 |
| 13294 | 644.35 | 170.98 | 82% | 387.09 | 129.3 |
| 20707 | 228.73 | 113.6 | 81% | 399.4 | 144.8 |
| 20299 | 283.13 | 98.83 | 81% | 438.73 | 122.19 |
| 6824 | 1346.97 | 605.91 | 87% | 442.76 | 235.61 |
| 14962 | 719.5 | 177.74 | 85% | 457.94 | 118.72 |
| 794 | 301.18 | 105.82 | 81% | 460.38 | 105.58 |
| 13646 | 650.4 | 113.01 | 84% | 466.4 | 111.75 |
| 15135 | 628.19 | 146.12 | 81% | 475.33 | 93.64 |
| 11693 | 181.61 | 105.42 | 82% | 480.77 | 349.7 |
| 23390 | 900.94 | 286.52 | 82% | 482.87 | 204.25 |
| 6132 | 287.11 | 119.69 | 84% | 501.07 | 132.83 |
| 20705 | 268.91 | 129.82 | 81% | 501.83 | 170.59 |
| 16518 | 745.69 | 208.61 | 80% | 522.4 | 147.11 |
| 24501 | 924.14 | 324.29 | 81% | 549.2 | 118.31 |
| 13684 | 940.24 | 251.12 | 84% | 561.02 | 160.11 |

| TABLE 3D: Necrosis With or Without Fatty Liver | | | | Document Number 1650775 | |
|--|------------|-------------|-----------|-------------------------|-----------------|
| GLGC ID | Group Mean | Group Stdev | LDA Score | Non Group Mean | Non Group Stdev |
| 23961 | 413.97 | 100.86 | 81% | 563.48 | 84.42 |
| 2350 | 914.43 | 280.02 | 83% | 566.27 | 157.14 |
| 7262 | 1171.93 | 460.29 | 82% | 616.91 | 222.19 |
| 15283 | 1210.53 | 436.26 | 84% | 630.12 | 224.34 |
| 4193 | 484.87 | 182.86 | 85% | 735.61 | 136.93 |
| 15365 | 1249.48 | 437.43 | 82% | 780.82 | 1098.83 |
| 24321 | 376.06 | 230.84 | 83% | 789.46 | 268.88 |
| 22559 | 540.14 | 342.39 | 81% | 1011.15 | 343.11 |
| 5899 | 694.24 | 374.16 | 80% | 1263.41 | 404.09 |
| 7403 | 704.59 | 553.96 | 83% | 1286.73 | 413.15 |
| 7199 | 835.65 | 469.87 | 84% | 1473.34 | 421.86 |
| 15029 | 702.04 | 429.52 | 87% | 1541.16 | 503.02 |
| 4330 | 675.9 | 370.63 | 85% | 1565.51 | 467.91 |
| 18002 | 948.21 | 459.72 | 81% | 1684.6 | 511.86 |
| 6380 | 882.65 | 369.95 | 86% | 1738.14 | 594.45 |
| 16883 | 1007.86 | 547.7 | 85% | 1895.14 | 498.99 |
| 6016 | 963.32 | 454.45 | 86% | 2023.72 | 694.11 |
| 23261 | 1077.62 | 726.72 | 85% | 2102.8 | 690.37 |
| 9016 | 1096.76 | 480.03 | 84% | 2344.1 | 914.36 |
| 3062 | 1684.88 | 888.35 | 81% | 2819.77 | 870.18 |

| TABLE 3E: Protein Adduct Formers | | | | Document Number 1650775 | |
|----------------------------------|------------|-------------|-----------|-------------------------|-----------------|
| GLGC ID | Group Mean | Group Stdev | LDA Score | Non Group Mean | Non Group Stdev |
| 2933 | 50.64 | 8.95 | 72% | 51.06 | 22.58 |
| 25615 | 71.69 | 18.81 | 70% | 52.1 | 17.72 |
| 24654 | 81.41 | 24.85 | 75% | 52.19 | 24.88 |
| 15018 | 84.77 | 83.88 | 71% | 52.26 | 40.53 |
| 21707 | 126.24 | 73.39 | 70% | 59.01 | 53.51 |
| 13918 | 98.73 | 44.7 | 74% | 59.06 | 31.3 |
| 10549 | 42.34 | 9.93 | 70% | 59.31 | 64.81 |
| 22566 | 92.71 | 49.39 | 70% | 60.91 | 42.33 |
| 23304 | 84.45 | 28.37 | 70% | 61.03 | 41.36 |
| 25413 | 37.94 | 16.74 | 79% | 61.59 | 20.66 |
| 25410 | 30.99 | 21.26 | 78% | 62.85 | 30.41 |
| 25411 | 27.66 | 23.64 | 80% | 62.98 | 33.69 |
| 13581 | 83.19 | 33.57 | 71% | 63.07 | 26.31 |
| 13932 | -7.5 | 82.93 | 71% | 63.9 | 55.62 |
| 14171 | 74.42 | 21.1 | 71% | 64.55 | 37.62 |
| 90 | 36.07 | 18.79 | 70% | 65.79 | 40.02 |
| 17257 | 114.03 | 67.46 | 70% | 67.08 | 34.52 |
| 7537 | 58.32 | 14.12 | 77% | 67.47 | 33.14 |
| 25397 | 33.74 | 21.21 | 73% | 68.15 | 31.21 |
| 17894 | 82.35 | 13.84 | 78% | 68.79 | 26.36 |
| 6814 | 89.6 | 32.08 | 73% | 69.88 | 23.93 |
| 21893 | 44.34 | 8.05 | 72% | 71.05 | 72.75 |
| 11438 | 111.77 | 49.88 | 74% | 71.31 | 27.16 |
| 23324 | 87.26 | 41.21 | 73% | 73.64 | 76.07 |
| 4168 | 104.37 | 21.68 | 75% | 75.31 | 30.27 |
| 7903 | 30.15 | 21.43 | 74% | 75.81 | 76.12 |
| 14335 | 83.34 | 14.3 | 71% | 76.03 | 33.52 |
| 24589 | 112.98 | 48.88 | 76% | 76.16 | 48.86 |
| 9712 | 59.65 | 43.73 | 73% | 76.42 | 28.63 |
| 20980 | 95.23 | 16.77 | 71% | 79.04 | 22.6 |
| 6003 | 97.63 | 17.55 | 73% | 80.11 | 26.51 |
| 13175 | 132.4 | 51.99 | 72% | 81.55 | 39.28 |
| 19315 | 140.15 | 42.44 | 84% | 81.73 | 41.23 |
| 15156 | 110.09 | 19.69 | 72% | 81.74 | 31.08 |
| 1169 | 63.7 | 12.97 | 72% | 82.79 | 31.48 |
| 6032 | 51.63 | 16.54 | 72% | 83.57 | 48.94 |
| 17400 | 145.45 | 66.75 | 71% | 85.87 | 52.06 |
| 2006 | 25.42 | 45.67 | 71% | 86.52 | 90.27 |
| 21068 | 264.69 | 160.27 | 72% | 87.31 | 146.99 |
| 11215 | -7.35 | 163.64 | 72% | 87.87 | 83.21 |
| 3074 | 54.49 | 18.32 | 70% | 88.91 | 83.5 |
| 22961 | 111.83 | 20.67 | 72% | 89.09 | 31.98 |
| 2506 | 141.66 | 97.88 | 71% | 91.9 | 70.92 |
| 6409 | 148.77 | 36.6 | 74% | 92.24 | 57.46 |

| TABLE 3E: Protein Adduct Formers | | | | Document Number 1650775 | |
|----------------------------------|------------|-------------|-----------|-------------------------|-----------------|
| GLGC ID | Group Mean | Group Stdev | LDA Score | Non Group Mean | Non Group Stdev |
| 1690 | 229.65 | 95.98 | 71% | 160.28 | 60.57 |
| 15141 | 173.57 | 16.39 | 73% | 162.21 | 36.81 |
| 16700 | 83.29 | 55.96 | 71% | 162.48 | 108.7 |
| 20380 | 146.38 | 29.01 | 71% | 163.02 | 57.5 |
| 15959 | 167.27 | 18.31 | 73% | 166.48 | 70.66 |
| 9598 | 288.09 | 95.08 | 73% | 168.1 | 93.9 |
| 11590 | 190.23 | 28.5 | 74% | 168.24 | 68.73 |
| 22806 | 131.95 | 29.2 | 75% | 169.43 | 77.82 |
| 18588 | 206.23 | 40.15 | 73% | 170.98 | 65.63 |
| 1141 | 203.77 | 31.9 | 74% | 172.68 | 35.21 |
| 9595 | 271.77 | 94.28 | 73% | 176.57 | 69.08 |
| 24146 | 216.8 | 34.19 | 71% | 177.31 | 65.74 |
| 17291 | 239.96 | 109.02 | 74% | 177.33 | 137.8 |
| 21717 | 206.89 | 32.09 | 71% | 189.62 | 69.87 |
| 13640 | 218.18 | 27.37 | 72% | 190.6 | 71.83 |
| 14007 | 153.67 | 25.25 | 74% | 191.38 | 72.77 |
| 16562 | 238.09 | 59.35 | 70% | 194.57 | 50.93 |
| 10187 | 223.84 | 49.38 | 72% | 198.22 | 88 |
| 25802 | 244.19 | 49.71 | 70% | 214.98 | 65.34 |
| 11742 | 217.52 | 133.21 | 72% | 216.12 | 86.16 |
| 5020 | 191.66 | 26.95 | 72% | 222.98 | 53.97 |
| 22603 | 221.37 | 90.45 | 71% | 229.9 | 65.5 |
| 1728 | 238.87 | 23.07 | 75% | 230.92 | 67.51 |
| 13534 | 182.27 | 33.55 | 75% | 232.74 | 85.78 |
| 2868 | 286.73 | 53.61 | 71% | 234.2 | 69.67 |
| 14997 | 375.7 | 196 | 72% | 235.84 | 152.48 |
| 5111 | 393.78 | 167.65 | 73% | 236.27 | 143.66 |
| 20063 | 181.07 | 59.31 | 70% | 236.39 | 97.14 |
| 16780 | 267.07 | 94.4 | 75% | 242.2 | 64.47 |
| 23337 | 207.26 | 31.63 | 70% | 243.84 | 91.24 |
| 19052 | 433.77 | 178.35 | 77% | 253.21 | 91.88 |
| 22619 | 416.09 | 190.68 | 70% | 253.69 | 121.24 |
| 6821 | 297.59 | 92.7 | 71% | 255.52 | 167.53 |
| 17794 | 256.5 | 47.37 | 72% | 259.54 | 87.89 |
| 5110 | 444.91 | 212.14 | 72% | 270.46 | 106.82 |
| 4929 | 215.55 | 43.79 | 71% | 270.62 | 101.5 |
| 23698 | 318.89 | 170.39 | 75% | 278.46 | 123.55 |
| 10594 | 382.41 | 57.15 | 78% | 291.69 | 58.26 |
| 6366 | 466.38 | 163.71 | 75% | 301.16 | 141.67 |
| 5091 | 204.8 | 54.15 | 76% | 305.72 | 121.65 |
| 12317 | 489.39 | 140.01 | 77% | 306.86 | 86.66 |
| 15122 | 284.14 | 30.38 | 70% | 308.23 | 65.78 |
| 2763 | 390 | 85.38 | 73% | 308.26 | 88.64 |
| 20715 | 439.32 | 105.47 | 74% | 310.12 | 180.07 |

| TABLE 3E: Protein Adduct Formers | | | | Document Number 1650775 | |
|----------------------------------|------------|-------------|-----------|-------------------------|-----------------|
| GLGC ID | Group Mean | Group Stdev | LDA Score | Non Group Mean | Non Group Stdev |
| 25644 | 345.9 | 39.5 | 71% | 314.7 | 121.98 |
| 1175 | 204.91 | 111.96 | 71% | 321.32 | 143.78 |
| 24161 | 356.93 | 42.23 | 71% | 327.71 | 79.09 |
| 18647 | 397.22 | 64.9 | 73% | 330.24 | 91.79 |
| 21281 | 233.54 | 99.86 | 71% | 330.78 | 91.46 |
| 4179 | 625.2 | 324.6 | 71% | 330.92 | 127.34 |
| 43 | 237.61 | 86.82 | 75% | 341.37 | 75.07 |
| 19458 | 364 | 43.15 | 72% | 346.08 | 133.08 |
| 23128 | 313.06 | 51.91 | 71% | 349.02 | 136.57 |
| 22412 | 366.89 | 96.19 | 71% | 351.91 | 164.5 |
| 3143 | 483.63 | 141.06 | 72% | 352.34 | 102.15 |
| 6801 | 355 | 56.71 | 70% | 360.03 | 142.03 |
| 6066 | 431.59 | 75.6 | 72% | 368.47 | 141.78 |
| 21575 | 432.67 | 63.41 | 73% | 374.58 | 82.96 |
| 8317 | 421.43 | 158.85 | 72% | 379.92 | 111.94 |
| 4371 | 507.88 | 124.44 | 71% | 394.01 | 171.93 |
| 11157 | 373.15 | 134.06 | 70% | 394.37 | 101.64 |
| 24296 | 481.18 | 92.3 | 72% | 403.62 | 139.39 |
| 556 | 373.54 | 45.1 | 71% | 408.23 | 71.6 |
| 13055 | 482.08 | 75.69 | 75% | 411.9 | 164.09 |
| 8173 | 519.73 | 67.84 | 74% | 419.47 | 110.06 |
| 3219 | 317.14 | 59.47 | 73% | 426.13 | 99.03 |
| 16278 | 309.41 | 102.23 | 78% | 429.92 | 164.15 |
| 23608 | 566.48 | 164.2 | 70% | 431.27 | 241.18 |
| 25777 | 330.46 | 55.36 | 76% | 441.54 | 130.73 |
| 18522 | 334.4 | 99.2 | 70% | 443.31 | 151.76 |
| 6188 | 512.63 | 55.77 | 74% | 448.02 | 139.04 |
| 794 | 333.35 | 131.81 | 72% | 451.08 | 111.83 |
| 11693 | 254.85 | 149.73 | 72% | 463 | 348.51 |
| 14312 | 397.8 | 81.06 | 71% | 466.35 | 160.88 |
| 5339 | 852.55 | 606.3 | 72% | 468.96 | 257.55 |
| 13646 | 546.37 | 100.3 | 71% | 478.7 | 121.95 |
| 22534 | 444.69 | 49.89 | 76% | 478.75 | 159.7 |
| 15121 | 635.12 | 147.29 | 73% | 513.19 | 224.34 |
| 5038 | 398.62 | 86.39 | 71% | 513.52 | 201.59 |
| 7916 | 483.75 | 53.88 | 76% | 515.32 | 200.18 |
| 4759 | 421.47 | 104.72 | 71% | 536.6 | 127.07 |
| 2339 | 519.32 | 64.43 | 73% | 536.85 | 137.81 |
| 16947 | 444.15 | 113.82 | 74% | 564.09 | 119.37 |
| 24707 | 469.06 | 76.22 | 77% | 596.18 | 184.62 |
| 13557 | 472.83 | 125.45 | 74% | 600 | 181.83 |
| 11322 | 781.82 | 176.95 | 71% | 605.26 | 189.58 |
| 16623 | 815.06 | 113.69 | 75% | 643.07 | 187.67 |
| 20397 | 756.19 | 106.73 | 71% | 670.62 | 123.59 |

| TABLE 3F: ANIT | | | | Document Number 1650775 | |
|----------------|------------|-------------|-----------|-------------------------|-----------------|
| GLGC ID | Group Mean | Group Stdev | LDA Score | Non Group Mean | Non Group Stdev |
| 10016 | 224.63 | 64.84 | 91% | 116.67 | 48.65 |
| 17590 | 228.93 | 49.97 | 90% | 127.17 | 38.31 |
| 4944 | 218.13 | 56.11 | 93% | 129.57 | 134.8 |
| 15002 | 208.14 | 35.44 | 90% | 134.25 | 36.07 |
| 20529 | 372.92 | 69.59 | 93% | 138.52 | 121.65 |
| 20849 | 259.34 | 55.56 | 91% | 150.94 | 38.19 |
| 15141 | 216.05 | 18.73 | 91% | 161.78 | 36.17 |
| 15089 | 428.71 | 94.42 | 90% | 164.31 | 111.52 |
| 24779 | -119.55 | 53.79 | 90% | 169.39 | 275.44 |
| 7665 | 325.89 | 51.47 | 94% | 171.6 | 94 |
| 12577 | 530.07 | 99.18 | 92% | 176.81 | 126.07 |
| 3253 | 242.21 | 21.26 | 92% | 177.78 | 42.54 |
| 25069 | 384.72 | 63.15 | 96% | 181.27 | 147.24 |
| 23182 | 70.96 | 27.02 | 90% | 182.67 | 82.66 |
| 19043 | 461.37 | 93.08 | 91% | 184.16 | 86.52 |
| 23445 | 44.92 | 13.64 | 96% | 204.01 | 96.17 |
| 22928 | 18.25 | 13.42 | 90% | 205.31 | 168.08 |
| 15300 | 301.52 | 31.01 | 95% | 208.5 | 106.84 |
| 19073 | 357.79 | 55.66 | 90% | 215.38 | 51.37 |
| 24237 | 602.69 | 44.81 | 99% | 219.11 | 138.4 |
| 1447 | 293.32 | 18.87 | 94% | 221.41 | 41.58 |
| 16408 | 151.08 | 35.06 | 90% | 254.15 | 84.03 |
| 23868 | 529.77 | 129.48 | 90% | 266.34 | 657.93 |
| 24810 | 103 | 36.24 | 90% | 273.16 | 90.15 |
| 5235 | 460.06 | 75.16 | 90% | 286.43 | 79.01 |
| 2802 | 498.79 | 58.22 | 95% | 287.5 | 90.87 |
| 25747 | 698.21 | 163.03 | 91% | 318.26 | 115.19 |
| 2818 | 510.22 | 88.82 | 94% | 330.07 | 92.39 |
| 5934 | 42.22 | 26 | 94% | 342.34 | 187.09 |
| 1501 | 711.93 | 121.22 | 96% | 348.6 | 117.83 |
| 15535 | 499.6 | 40.24 | 91% | 391.06 | 75.12 |
| 5437 | 327.15 | 25.07 | 90% | 409.5 | 102.21 |
| 12928 | 607.12 | 43.69 | 97% | 411.1 | 97.29 |
| 4207 | 611.82 | 98.48 | 90% | 440.38 | 323.23 |
| 20701 | 762.37 | 110.98 | 94% | 496.87 | 170.59 |
| 1562 | 360.31 | 37.96 | 90% | 504.85 | 111.39 |
| 6824 | 806.51 | 180.29 | 90% | 506.91 | 368.25 |
| 20983 | 343.07 | 66.3 | 93% | 516.16 | 120.95 |
| 13088 | 199.67 | 54 | 96% | 593.92 | 183.67 |
| 6613 | 320.2 | 65.66 | 92% | 626.43 | 272.37 |
| 25024 | 451.39 | 46.56 | 91% | 661.12 | 185.97 |
| 8549 | 262.14 | 62.15 | 93% | 665.65 | 258.33 |
| 4193 | 484.74 | 47.1 | 95% | 719.76 | 154.17 |
| 2569 | 257.19 | 110.15 | 91% | 724.41 | 288.37 |

| TABLE 3F: ANIT | | | | Document Number 1650775 | |
|----------------|------------|-------------|-----------|-------------------------|-----------------|
| GLGC ID | Group Mean | Group Stdev | LDA Score | Non Group Mean | Non Group Stdev |
| 7892 | 1166.36 | 244.14 | 92% | 809.73 | 244.53 |
| 18900 | 1202.22 | 137.08 | 92% | 830.76 | 217.68 |
| 16879 | 540.35 | 100.54 | 93% | 949.72 | 286.7 |
| 475 | 635.1 | 94.59 | 92% | 976.05 | 230.62 |
| 5899 | 704.5 | 125.15 | 92% | 1227.29 | 427.31 |
| 3916 | 883.71 | 181.1 | 91% | 1427.83 | 464.67 |
| 10378 | 2563.09 | 466.04 | 90% | 1469.47 | 449.7 |
| 19363 | 372.52 | 212.88 | 90% | 1539.84 | 830.44 |
| 6072 | 1270.16 | 177.57 | 91% | 1859.03 | 508.9 |
| 20502 | 1504.84 | 383.84 | 91% | 3017.48 | 1038.48 |

| TABLE 3G: Late Acetaminophen | | | | Document Number 1650775 | |
|------------------------------|------------|-------------|-----------|-------------------------|-----------------|
| GLGC ID | Group Mean | Group Stdev | LDA Score | Non Group Mean | Non Group Stdev |
| 8592 | 97.92 | 12.74 | 99% | 275.69 | 78.69 |
| 12156 | 66.84 | 25.24 | 99% | 279.94 | 158.15 |
| 20555 | 74.21 | 32.18 | 97% | 280.75 | 96.14 |
| 18837 | 70.96 | 24.35 | 98% | 281.18 | 112.85 |
| 17758 | 47.9 | 17.49 | 98% | 283.74 | 151.83 |
| 11152 | 89.81 | 23.98 | 98% | 284.55 | 88.62 |
| 22582 | 97.84 | 15.79 | 98% | 290.41 | 88.62 |
| 6155 | 86.76 | 17.03 | 100% | 302.82 | 149.97 |
| 10093 | 894.21 | 296.81 | 97% | 307.41 | 125.35 |
| 23854 | 518.98 | 43.24 | 97% | 317.71 | 83.8 |
| 4314 | 161.66 | 22.27 | 99% | 325.66 | 70.88 |
| 20864 | 896.29 | 162.64 | 98% | 340.85 | 169.02 |
| 9072 | 134.11 | 29.83 | 97% | 372.6 | 132.4 |
| 15462 | 187.89 | 20.53 | 99% | 377.51 | 69.64 |
| 3023 | 74.88 | 27.06 | 99% | 377.75 | 123.14 |
| 1529 | 196.76 | 20.46 | 97% | 378.11 | 72.49 |
| 24670 | 211.91 | 19.4 | 98% | 380.22 | 75.72 |
| 25480 | 139.68 | 36.79 | 97% | 384.92 | 88.4 |
| 4224 | 217.33 | 27.1 | 98% | 385.39 | 68.02 |
| 1653 | 161.77 | 30.91 | 99% | 413.84 | 133.06 |
| 9905 | 215.17 | 33.74 | 97% | 417.78 | 81.53 |
| 11153 | 184.99 | 26.78 | 98% | 424.64 | 112.76 |
| 21977 | 167.03 | 43.78 | 97% | 425.7 | 100.74 |
| 21950 | 225.05 | 28.55 | 97% | 431.25 | 83.14 |
| 2505 | 181.37 | 17.8 | 99% | 437.97 | 99.3 |
| 794 | 185.22 | 23.41 | 98% | 452.2 | 109.84 |
| 5920 | 1687.13 | 555.96 | 99% | 456.93 | 241.47 |
| 2667 | 266.65 | 38.11 | 98% | 472.54 | 95.54 |
| 24722 | 177.21 | 38.39 | 99% | 491.55 | 112.03 |
| 23390 | 1178.14 | 133.27 | 98% | 504.75 | 225.74 |
| 1562 | 261.12 | 32.84 | 98% | 506.49 | 108.81 |
| 15113 | 155.11 | 52.14 | 98% | 515.14 | 163.96 |
| 4199 | 289.55 | 26.97 | 98% | 519.47 | 108.02 |
| 8872 | 1732.12 | 253.22 | 99% | 539.58 | 281.13 |
| 24771 | 204.77 | 35.86 | 99% | 548.56 | 123.7 |
| 13088 | 127.47 | 50.84 | 97% | 595.53 | 180.73 |
| 17541 | 1185.11 | 145.34 | 98% | 686.63 | 152.47 |
| 24811 | 244.05 | 55.21 | 98% | 713.37 | 236.19 |
| 24321 | 133.15 | 53.97 | 98% | 767.37 | 279.51 |
| 7552 | 180.78 | 39.85 | 98% | 820.01 | 310.92 |
| 19732 | 145.53 | 28.91 | 98% | 918.79 | 410.43 |
| 11205 | 330.78 | 77.32 | 97% | 976.22 | 280.85 |
| 15673 | 1721.01 | 183.17 | 98% | 1022.66 | 229.71 |
| 14512 | 230.44 | 36.6 | 99% | 1088.1 | 390.72 |

| TABLE 3G: Late Acetaminophen | | | | Document Number 1650775 | |
|------------------------------|------------|-------------|-----------|-------------------------|-----------------|
| GLGC ID | Group Mean | Group Stdev | LDA Score | Non Group Mean | Non Group Stdev |
| 11850 | 2429.93 | 244.48 | 98% | 1189.68 | 370.45 |
| 633 | 647.11 | 128.95 | 97% | 1346.47 | 304.28 |
| 14960 | 3443.82 | 469.79 | 99% | 1352.48 | 446.55 |
| 22554 | 383.07 | 75.73 | 98% | 1365.63 | 511.2 |
| 24049 | 4317.73 | 1756.71 | 97% | 1441.54 | 440.22 |
| 2587 | 661.56 | 121.75 | 98% | 1598.85 | 493.87 |
| 12314 | 743.43 | 156.24 | 98% | 2014.22 | 647.46 |
| 15315 | 4723.83 | 784.41 | 97% | 2482.27 | 635.01 |
| 17730 | 6017.72 | 1076.55 | 98% | 2933.25 | 821.08 |
| 6189 | 422.42 | 136.09 | 97% | 2994.06 | 1657.8 |
| 20873 | 5487.66 | 1292.77 | 97% | 3014.46 | 6409.47 |

| TABLE 3H: Early Acetaminophen | | | | Document Number 1650775 | |
|-------------------------------|------------|-------------|-----------|-------------------------|-----------------|
| GLGC ID | Group Mean | Group Stdev | LDA Score | Non Group Mean | Non Group Stdev |
| 21175 | 8.2 | 4.71 | 94% | 28.82 | 12.57 |
| 7528 | 8.32 | 4.93 | 95% | 34.66 | 16.43 |
| 20282 | -15.7 | 9.27 | 92% | 36.02 | 33.93 |
| 5966 | -2.42 | 11.53 | 95% | 36.31 | 21.84 |
| 22695 | 10.13 | 6.89 | 92% | 38.79 | 17.51 |
| 15634 | 1.39 | 5.65 | 94% | 39.68 | 19.47 |
| 1520 | 15.99 | 5.3 | 94% | 47.93 | 19.37 |
| 16524 | 20.02 | 6.63 | 94% | 48.44 | 13.24 |
| 18482 | 16.24 | 5.44 | 95% | 48.47 | 17.05 |
| 2280 | 19.83 | 5.96 | 93% | 49.02 | 23.16 |
| 19787 | 15.18 | 6.28 | 94% | 50.55 | 15.04 |
| 18584 | 6.53 | 10.13 | 95% | 51.53 | 23.14 |
| 13926 | 21.46 | 6.96 | 92% | 52.65 | 14.76 |
| 11423 | 15.02 | 8.15 | 94% | 56.28 | 19.95 |
| 11940 | 21.79 | 9.2 | 93% | 57.53 | 15.9 |
| 23000 | 22.53 | 12.08 | 93% | 57.77 | 15.01 |
| 3080 | -6.92 | 14.95 | 93% | 58.31 | 48.7 |
| 23710 | 158.41 | 53.72 | 92% | 58.38 | 71.02 |
| 23047 | 15.29 | 11.17 | 95% | 58.49 | 16.56 |
| 16566 | 17.77 | 6.03 | 98% | 58.51 | 15.69 |
| 19650 | -70.3 | 47.02 | 93% | 61.72 | 44.09 |
| 15467 | 11.36 | 7.01 | 95% | 62.46 | 46.17 |
| 16728 | 14.72 | 12.75 | 92% | 64.03 | 32.75 |
| 13568 | 28.12 | 10.02 | 94% | 67.08 | 17.03 |
| 13932 | -112.44 | 63.3 | 94% | 67.38 | 48.47 |
| 15139 | 21.25 | 9.99 | 96% | 68.11 | 25.84 |
| 24079 | 25.3 | 8.6 | 95% | 69.08 | 26.17 |
| 22487 | 6.73 | 8.7 | 98% | 70.08 | 41.42 |
| 14139 | 19.82 | 7.55 | 95% | 71.65 | 22.54 |
| 15181 | 26.59 | 10.69 | 94% | 79.78 | 30.61 |
| 23077 | 38.94 | 17.17 | 92% | 81.22 | 21.14 |
| 17158 | 17.52 | 10.77 | 94% | 83.01 | 45.36 |
| 20971 | 43.32 | 10.04 | 92% | 83.29 | 21.37 |
| 1169 | 27.52 | 12.64 | 92% | 83.96 | 30.23 |
| 16871 | 19.55 | 12.49 | 93% | 85.46 | 26.85 |
| 9164 | 27.2 | 10.23 | 95% | 85.81 | 27.4 |
| 15980 | 26.43 | 18.24 | 93% | 86.7 | 23.87 |
| 16361 | 43.56 | 12.22 | 92% | 91.15 | 25.64 |
| 21321 | 27.09 | 14.56 | 93% | 105.32 | 56.02 |
| 3486 | 34.72 | 10.49 | 97% | 107.9 | 41.25 |
| 2727 | 45.87 | 10.75 | 92% | 110.53 | 48.76 |
| 8597 | 69.34 | 16.36 | 93% | 116.43 | 40.21 |
| 574 | 65.57 | 6.51 | 93% | 117.45 | 179.89 |
| 8730 | 45.4 | 17.81 | 92% | 119.22 | 42.05 |

| TABLE 3I: Late Carbon Tetrachloride | | | | Document Number 1650775 | |
|-------------------------------------|------------|-------------|-----------|-------------------------|-----------------|
| GLGC ID | Group Mean | Group Stdev | LDA Score | Non Group Mean | Non Group Stdev |
| 17064 | 50.24 | 16.97 | 96% | -4.18 | 20 |
| 1625 | 114.41 | 34.24 | 99% | 0.07 | 12.89 |
| 5885 | 38.36 | 18.29 | 97% | 1.99 | 9.82 |
| 18046 | 46.73 | 12.92 | 99% | 2.71 | 14.04 |
| 16649 | 220.02 | 92.9 | 99% | 3.43 | 37.53 |
| 1554 | 47.01 | 20.46 | 98% | 4.33 | 6.64 |
| 20950 | 54.4 | 13.02 | 98% | 6.19 | 12 |
| 13458 | 58.51 | 18.25 | 97% | 6.84 | 20.17 |
| 6879 | 53.86 | 20.46 | 98% | 10.45 | 8.61 |
| 2065 | 77.67 | 43.56 | 98% | 14.07 | 10.39 |
| 16654 | 153.26 | 64.25 | 99% | 14.11 | 9.91 |
| 23651 | 330.28 | 228.17 | 97% | 21.42 | 37.58 |
| 15312 | 116.71 | 36.41 | 96% | 25.99 | 29.2 |
| 21818 | 119.6 | 30.36 | 97% | 26.66 | 21.99 |
| 4048 | 1573.97 | 2042.27 | 100% | 28.72 | 92.76 |
| 21695 | 174.77 | 50.28 | 99% | 30.87 | 22.35 |
| 1126 | 93.96 | 18.28 | 98% | 31.78 | 16.86 |
| 17157 | 116.08 | 34.36 | 98% | 33.37 | 18.38 |
| 21586 | 155.13 | 41.01 | 98% | 35.85 | 31.46 |
| 4097 | 202.62 | 143.18 | 96% | 36.77 | 20.82 |
| 20589 | 204.58 | 80.85 | 99% | 39.66 | 14.51 |
| 4856 | 195.72 | 58.45 | 98% | 44.87 | 22.87 |
| 17500 | 1.65 | 7.49 | 96% | 45.77 | 44.45 |
| 16730 | 154.98 | 38.01 | 97% | 46.39 | 26.25 |
| 20449 | 440.43 | 164.04 | 98% | 47.45 | 46.4 |
| 15655 | 237.45 | 149.71 | 98% | 48.19 | 26.25 |
| 19040 | 396.02 | 114.12 | 99% | 54.95 | 29.77 |
| 1037 | 191.13 | 61.49 | 99% | 55.16 | 22.83 |
| 4178 | 263.2 | 73.51 | 99% | 58.46 | 46.4 |
| 23302 | 134 | 32.72 | 97% | 60.71 | 24.04 |
| 21060 | 195.49 | 44.63 | 99% | 66.73 | 22.3 |
| 2781 | 300.75 | 90.51 | 100% | 67.08 | 21.7 |
| 1571 | 306.34 | 84.06 | 98% | 69.24 | 44.27 |
| 1258 | 201.18 | 53.89 | 99% | 69.76 | 26.45 |
| 20755 | 315.54 | 99.4 | 98% | 70.92 | 37.08 |
| 21416 | 180.67 | 33.54 | 98% | 71.26 | 32.81 |
| 4327 | 209.63 | 44.69 | 97% | 73.46 | 30.98 |
| 2853 | 243.76 | 74.49 | 99% | 79.5 | 27.62 |
| 14458 | 462.45 | 169.29 | 97% | 79.77 | 81.9 |
| 17956 | 135.44 | 24.53 | 96% | 80.41 | 19.61 |
| 16650 | 335.98 | 95.22 | 99% | 82.71 | 42.71 |
| 8152 | 184.75 | 44.1 | 98% | 84.34 | 21.12 |
| 22321 | 565.88 | 166.7 | 98% | 90.43 | 44.8 |
| 20801 | 244.26 | 53.66 | 97% | 93.54 | 45.27 |

| TABLE 3I: Late Carbon Tetrachloride | | | | Document Number 1650775 | |
|-------------------------------------|------------|-------------|-----------|-------------------------|-----------------|
| GLGC ID | Group Mean | Group Stdev | LDA Score | Non Group Mean | Non Group Stdev |
| 15203 | 217.53 | 41.56 | 99% | 94.08 | 22.2 |
| 16683 | 214.61 | 51.64 | 98% | 96.97 | 26.38 |
| 7690 | 485.59 | 136.48 | 97% | 98.07 | 100.2 |
| 18705 | 230.49 | 55.83 | 99% | 103.84 | 19.16 |
| 574 | 566.67 | 151.26 | 99% | 104.84 | 163.13 |
| 20644 | 284.09 | 69.38 | 96% | 104.86 | 53.3 |
| 12613 | 385.02 | 81.17 | 98% | 105.74 | 49.08 |
| 23173 | 527.13 | 156.81 | 99% | 112.95 | 62.38 |
| 10016 | 305.83 | 117.64 | 98% | 113.41 | 37.12 |
| 25257 | 401.37 | 69.21 | 98% | 123.93 | 52.05 |
| 19377 | 245.39 | 39.45 | 98% | 124.66 | 31.89 |
| 25313 | 368.62 | 55.36 | 99% | 125.11 | 47.2 |
| 23888 | 323.47 | 71.72 | 99% | 127.05 | 34.78 |
| 17754 | 280.21 | 65.27 | 98% | 127.56 | 39.49 |
| 20891 | 284.25 | 57.73 | 96% | 128.54 | 57.37 |
| 19241 | 305.11 | 61.55 | 99% | 128.91 | 25.25 |
| 17369 | 251.93 | 28.1 | 96% | 130.99 | 61.88 |
| 4049 | 1800.21 | 615.67 | 99% | 131.28 | 173.33 |
| 4426 | 226.63 | 33.81 | 98% | 134.21 | 26.79 |
| 15282 | 495.77 | 127.65 | 97% | 140.76 | 88.42 |
| 20849 | 288.07 | 45.99 | 98% | 148.97 | 33.86 |
| 17225 | 314.55 | 56.91 | 96% | 156.73 | 51.3 |
| 24388 | 756.8 | 218.92 | 98% | 158.69 | 122.1 |
| 16854 | 274.55 | 32.55 | 98% | 161.83 | 29.13 |
| 16610 | 376.93 | 79.48 | 97% | 165.18 | 49.27 |
| 6193 | 447.67 | 59.78 | 99% | 194.57 | 54.15 |
| 3549 | 368.01 | 54.43 | 97% | 196.19 | 60.45 |
| 2744 | 487.89 | 65.94 | 98% | 202.98 | 55.42 |
| 15281 | 509.13 | 65.19 | 98% | 207.9 | 69.15 |
| 17571 | 337.5 | 57.58 | 97% | 209.52 | 44.91 |
| 8928 | 323.46 | 31.08 | 98% | 210.05 | 36.77 |
| 25802 | 411.96 | 57.18 | 98% | 210.79 | 57.41 |
| 12551 | 48.43 | 13.62 | 98% | 212.69 | 71.68 |
| 7602 | 453.04 | 80.74 | 97% | 213.06 | 62.29 |
| 15543 | 555.28 | 110.77 | 97% | 219.06 | 83.33 |
| 958 | 492.73 | 90.77 | 98% | 234.42 | 59.68 |
| 2854 | 520.08 | 129.87 | 99% | 239.21 | 54.99 |
| 5331 | 517.46 | 66.57 | 99% | 253.08 | 62.49 |
| 23013 | 631.62 | 255.14 | 98% | 253.69 | 77.98 |
| 19768 | 497.6 | 88.61 | 97% | 258.31 | 86.39 |
| 18107 | 475.79 | 86.06 | 98% | 270.37 | 50.73 |
| 10306 | 537.72 | 79 | 97% | 270.7 | 72.51 |
| 3138 | 773.53 | 129.57 | 99% | 280.59 | 128.8 |
| 16684 | 591.01 | 105.06 | 98% | 303.32 | 77.67 |

| TABLE 3I: Late Carbon Tetrachloride | | | | Document Number 1650775 | |
|-------------------------------------|------------|-------------|-----------|-------------------------|-----------------|
| GLGC ID | Group Mean | Group Stdev | LDA Score | Non Group Mean | Non Group Stdev |
| 23854 | 563.93 | 104.51 | 97% | 314.55 | 77.09 |
| 20897 | 602.65 | 120.81 | 96% | 315.7 | 85.83 |
| 19298 | 835.39 | 188.74 | 97% | 328.8 | 152.97 |
| 25718 | 579.2 | 77.87 | 98% | 328.95 | 68.42 |
| 14959 | 676.74 | 116.99 | 97% | 377.46 | 94.35 |
| 20879 | 73.93 | 55.35 | 98% | 390.34 | 126.05 |
| 6824 | 1794.5 | 585.37 | 97% | 479.02 | 298.25 |
| 13684 | 1052.78 | 207.71 | 96% | 578.09 | 181.33 |
| 16438 | 1299.24 | 155.02 | 99% | 582.93 | 144.92 |
| 4193 | 332.28 | 95.67 | 96% | 726.26 | 144.3 |
| 7552 | 163.75 | 89.31 | 97% | 826.93 | 304.52 |
| 16883 | 681.46 | 275.09 | 96% | 1856.78 | 528.87 |

| TABLE 3J: Early Carbon Tetrachloride | | | | Document Number 1650775 | |
|--------------------------------------|------------|-------------|-----------|-------------------------|-----------------|
| GLGC ID | Group Mean | Group Stdev | LDA Score | Non Group Mean | Non Group Stdev |
| 8663 | 721.93 | 225.97 | 97% | -87.65 | 146.96 |
| 8662 | 653.64 | 143.71 | 99% | -66.58 | 95.42 |
| 1727 | 348.89 | 185.42 | 95% | -57.26 | 75.16 |
| 11493 | 129.55 | 67.26 | 96% | -32.97 | 39.87 |
| 2628 | 251.75 | 147.92 | 96% | 8.65 | 34 |
| 15647 | 109.5 | 26.81 | 94% | 11.25 | 155.64 |
| 13265 | 78.29 | 37.64 | 97% | 12.05 | 9.28 |
| 923 | 199.22 | 94.23 | 95% | 15.81 | 23.49 |
| 8661 | 614.42 | 215.98 | 99% | 16.84 | 60.47 |
| 7301 | 187.05 | 149.7 | 95% | 19.02 | 15.94 |
| 15312 | 129.52 | 34.52 | 94% | 23.98 | 24.69 |
| 1305 | 159.8 | 80 | 94% | 27.12 | 24.91 |
| 1598 | 232.56 | 58.02 | 96% | 28.01 | 58.64 |
| 23567 | 918.41 | 595.26 | 94% | 30.79 | 97.73 |
| 25198 | 145.62 | 46.46 | 97% | 31.18 | 21.37 |
| 22443 | 413.57 | 187.24 | 96% | 32.31 | 38.97 |
| 809 | 170.72 | 83.79 | 94% | 33 | 26.32 |
| 18043 | 157.01 | 66.2 | 95% | 35.05 | 27.16 |
| 16825 | 86.21 | 14.87 | 95% | 36.95 | 15.49 |
| 11494 | 365.78 | 87.61 | 98% | 39.57 | 52.58 |
| 12969 | 315.69 | 145.09 | 97% | 39.62 | 30.17 |
| 347 | 94.32 | 20.45 | 94% | 44.31 | 19.5 |
| 15313 | 188.23 | 47.79 | 95% | 44.81 | 34.49 |
| 25907 | 196.63 | 51.46 | 96% | 45.95 | 29.69 |
| 2629 | 258.22 | 130.51 | 94% | 47.27 | 31.18 |
| 4119 | 172.99 | 53.46 | 96% | 49.1 | 27.57 |
| 15617 | 131.28 | 26.96 | 94% | 49.13 | 28.01 |
| 11483 | 356.15 | 129.53 | 95% | 49.85 | 57.22 |
| 25098 | 263.21 | 101.83 | 95% | 51.71 | 35.09 |
| 8664 | 685.72 | 187.22 | 98% | 51.77 | 117.57 |
| 7806 | 173.92 | 56.36 | 95% | 51.78 | 24.26 |
| 5932 | 142.26 | 26.26 | 94% | 51.91 | 24.37 |
| 18501 | 128.83 | 31.95 | 94% | 53.7 | 17.47 |
| 352 | 306.66 | 117.09 | 94% | 53.93 | 48.46 |
| 3831 | 120.45 | 24.02 | 95% | 55.42 | 25.76 |
| 651 | 234.03 | 95.8 | 96% | 55.88 | 31.26 |
| 650 | 252.68 | 84.65 | 96% | 57.08 | 37.09 |
| 17337 | 140.87 | 38.01 | 95% | 60.97 | 56.3 |
| 7036 | 176.78 | 42.65 | 98% | 62.22 | 22.87 |
| 22124 | 125.04 | 23.89 | 94% | 64.53 | 17.38 |
| 23587 | 208.43 | 60.7 | 94% | 66.37 | 32.19 |
| 21130 | 369.23 | 131.33 | 98% | 72.63 | 40.41 |
| 353 | 475.4 | 152.81 | 94% | 76.96 | 69.6 |
| 1183 | 426.68 | 140.86 | 99% | 78.14 | 33.96 |

| TABLE 3J: Early Carbon Tetrachloride | | | | Document Number 1650775 | |
|--------------------------------------|------------|-------------|-----------|-------------------------|-----------------|
| GLGC ID | Group Mean | Group Stdev | LDA Score | Non Group Mean | Non Group Stdev |
| 22177 | 437.19 | 83.23 | 94% | 220.99 | 76.02 |
| 15558 | 421.96 | 49.45 | 96% | 261.21 | 89.18 |
| 15171 | 2476.94 | 637.89 | 99% | 267.37 | 221.89 |
| 24235 | 651.38 | 135.2 | 94% | 281.24 | 89.88 |
| 15172 | 1130.82 | 386.63 | 99% | 294.17 | 160.06 |
| 8665 | 2451.27 | 808.98 | 94% | 320.3 | 582.92 |
| 3816 | 941.08 | 189.07 | 97% | 375.12 | 97.06 |
| 15051 | 1917.64 | 600.05 | 97% | 421.84 | 274.9 |
| 6321 | 1227.19 | 294.21 | 96% | 436.54 | 171.1 |
| 11495 | 1157.08 | 222.69 | 95% | 479.89 | 170.9 |
| 19012 | 1131.9 | 195.46 | 95% | 491.44 | 164.34 |
| 3139 | 3078.65 | 1586.03 | 96% | 683.5 | 401.95 |

| TABLE 3K: Late Cyproterone Acetate | | | | Document Number 1650775 | |
|------------------------------------|------------|-------------|-----------|-------------------------|-----------------|
| GLGC ID | Group Mean | Group Stdev | LDA Score | Non Group Mean | Non Group Stdev |
| 25183 | 57.99 | 11.18 | 99% | -65.21 | 41.14 |
| 9969 | 66.32 | 43.47 | 97% | -28.99 | 30.94 |
| 19292 | 39.25 | 15.99 | 99% | -0.31 | 8.76 |
| 1749 | 36.95 | 4.96 | 97% | 6.56 | 12.85 |
| 9697 | 56.57 | 15.67 | 98% | 10.84 | 13.14 |
| 19465 | 72.95 | 28.72 | 97% | 20.05 | 13.1 |
| 15441 | 57.11 | 16.22 | 98% | 20.18 | 10.67 |
| 15987 | 363.79 | 45.36 | 100% | 34.51 | 32.07 |
| 13580 | 0.18 | 7.99 | 96% | 36.01 | 21.03 |
| 16319 | 89.11 | 16.96 | 97% | 40.72 | 16.75 |
| 3510 | 7.29 | 10.94 | 97% | 41.17 | 13.42 |
| 906 | 86.53 | 14.25 | 98% | 49.56 | 12.1 |
| 19053 | 13.57 | 5.47 | 95% | 50.36 | 50.88 |
| 5824 | 209.96 | 52.5 | 99% | 54.58 | 27.78 |
| 17685 | 17.67 | 8.55 | 98% | 59.93 | 29.82 |
| 4588 | 22.45 | 6.38 | 97% | 60.62 | 24.09 |
| 14250 | 25.11 | 4.35 | 96% | 61.29 | 33.6 |
| 17091 | 228.81 | 44.44 | 99% | 65.14 | 36.75 |
| 4312 | 458.51 | 102.72 | 98% | 74.88 | 65.39 |
| 6667 | 35.58 | 7.42 | 95% | 79.42 | 27.4 |
| 9668 | 25.68 | 7.88 | 95% | 82.74 | 43.74 |
| 17090 | 174.43 | 31.41 | 98% | 82.84 | 25.5 |
| 14840 | 25.84 | 4.54 | 97% | 84.25 | 56.66 |
| 18906 | 165.1 | 25.73 | 97% | 86.57 | 33.68 |
| 21184 | 24.35 | 7.77 | 96% | 88.84 | 44.65 |
| 11960 | -21.76 | 29.8 | 98% | 91.47 | 36.61 |
| 17092 | 282.98 | 55.61 | 99% | 100.94 | 37.11 |
| 18316 | 41.41 | 4.56 | 96% | 101.42 | 51.02 |
| 11724 | 26.29 | 6.1 | 97% | 107.83 | 53.24 |
| 21238 | 29.51 | 14.62 | 96% | 107.94 | 65.27 |
| 9015 | 50.88 | 4.22 | 97% | 111.21 | 39.72 |
| 22204 | 31.75 | 11.16 | 96% | 111.85 | 67.38 |
| 21228 | 60.32 | 10.12 | 95% | 127.7 | 59.24 |
| 25725 | 303.56 | 97.38 | 99% | 127.99 | 39.22 |
| 3381 | 215.51 | 15.65 | 98% | 129.07 | 31.01 |
| 14199 | 49.89 | 11.18 | 96% | 129.55 | 63.16 |
| 12158 | 539.59 | 79.37 | 98% | 149.3 | 94.76 |
| 20711 | 15.4 | 13.95 | 97% | 153.96 | 115.63 |
| 25055 | 543.96 | 83.34 | 98% | 160.37 | 97.11 |
| 15955 | 401.03 | 64.61 | 97% | 167.69 | 104.75 |
| 10002 | 79.22 | 8.3 | 96% | 169.5 | 85.35 |
| 15888 | 103.8 | 7.37 | 96% | 174.62 | 107.57 |
| 23709 | 91.99 | 7.53 | 96% | 180.95 | 142.33 |
| 19255 | 96.69 | 11.59 | 96% | 191.17 | 81.51 |

| TABLE 3K: Late Cyproterone Acetate | | | | Document Number 1650775 | |
|------------------------------------|------------|-------------|-----------|-------------------------|-----------------|
| GLGC ID | Group Mean | Group Stdev | LDA Score | Non Group Mean | Non Group Stdev |
| 16124 | 59.91 | 18.31 | 97% | 198.11 | 129.25 |
| 8053 | 55.5 | 21.16 | 95% | 199.73 | 121.49 |
| 1796 | 713.84 | 124.8 | 99% | 202.3 | 82.74 |
| 6431 | 44.99 | 10.12 | 99% | 211.22 | 232.8 |
| 4576 | 60.8 | 23.4 | 95% | 213.43 | 78.15 |
| 22713 | 83.58 | 18.05 | 96% | 218.87 | 74.81 |
| 20803 | 489.88 | 37.25 | 100% | 230.7 | 84.72 |
| 8905 | 129.45 | 13.33 | 96% | 236.42 | 105.34 |
| 16780 | 482.97 | 115.87 | 98% | 240.36 | 60.06 |
| 1479 | 143.4 | 14.02 | 96% | 245.89 | 63.54 |
| 12156 | 947.53 | 169.32 | 98% | 270.19 | 144.04 |
| 24860 | 762.67 | 137.57 | 99% | 271.87 | 106.81 |
| 20744 | 131.35 | 9.57 | 96% | 277.11 | 153.4 |
| 12157 | 890.46 | 241.3 | 96% | 295.84 | 176.52 |
| 19256 | 169.36 | 16.84 | 97% | 300.56 | 93.48 |
| 12155 | 849.1 | 121.68 | 98% | 328.83 | 112.43 |
| 1795 | 886.32 | 169.03 | 98% | 332.97 | 138.76 |
| 20864 | 838.11 | 192.14 | 98% | 343.82 | 174.37 |
| 23032 | 174.66 | 35.02 | 96% | 348.75 | 98.36 |
| 18860 | 658.47 | 93.14 | 97% | 352.87 | 102.72 |
| 6801 | 167.82 | 26.32 | 95% | 361.85 | 140 |
| 20915 | 707.08 | 113.27 | 95% | 376.44 | 136.93 |
| 20707 | 836.46 | 117.26 | 98% | 382.05 | 142.91 |
| 18473 | 830.53 | 86.28 | 99% | 405.69 | 223.02 |
| 16278 | 872.29 | 116.7 | 98% | 422.72 | 158.18 |
| 20041 | 189.58 | 32.85 | 98% | 435.36 | 136.08 |
| 25056 | 1055.84 | 195.39 | 98% | 435.67 | 129.34 |
| 20714 | 148.21 | 41.46 | 96% | 438.15 | 637.41 |
| 15500 | 239.22 | 24.81 | 97% | 456.63 | 119.52 |
| 15755 | 214.37 | 34.27 | 99% | 457.32 | 99.49 |
| 11693 | 37.65 | 37.02 | 96% | 462.5 | 345.74 |
| 15127 | 911.94 | 86.23 | 98% | 466.74 | 134.84 |
| 21078 | 321.33 | 18.18 | 96% | 470.87 | 98.57 |
| 19012 | 218.63 | 26.43 | 98% | 519.87 | 206.37 |
| 20713 | 192.33 | 64.34 | 97% | 523.9 | 200.74 |
| 8872 | 2206.69 | 222.08 | 99% | 539.95 | 267.56 |
| 1551 | 300.22 | 24.52 | 98% | 540.56 | 133.08 |
| 15391 | 748.88 | 48.29 | 98% | 555.42 | 79.76 |
| 17541 | 1121.82 | 231.52 | 96% | 689.41 | 156.88 |
| 2569 | 1283.55 | 169.03 | 96% | 712.78 | 286.97 |
| 20804 | 2441.26 | 676.23 | 98% | 723.52 | 393.32 |
| 12160 | 2592.66 | 403.1 | 99% | 826.97 | 370.84 |
| 11644 | 421.94 | 97.8 | 96% | 834 | 240.59 |
| 17788 | 2318.81 | 523.51 | 98% | 909.78 | 263.72 |

| TABLE 3K: Late Cyproterone Acetate | | | | Document Number 1650775 | |
|------------------------------------|------------|-------------|-----------|-------------------------|-----------------|
| GLGC ID | Group Mean | Group Stdev | LDA Score | Non Group Mean | Non Group Stdev |
| 17117 | 1568.35 | 191.58 | 96% | 1006.34 | 230.44 |
| 15645 | 474.3 | 53.72 | 99% | 1085.08 | 601.13 |
| 6479 | 446.51 | 75.83 | 98% | 1215.32 | 472.08 |
| 22266 | 2441.41 | 319.93 | 97% | 1502.46 | 434.41 |
| 21798 | 2671.47 | 378.77 | 98% | 1532.27 | 351.77 |
| 1957 | 451.84 | 140.88 | 95% | 1533.47 | 786.6 |

| TABLE 3L: Early Cyproterone Acetate | | | | Document Number 1650775 | |
|-------------------------------------|------------|-------------|-----------|-------------------------|-----------------|
| GLGC ID | Group Mean | Group Stdev | LDA Score | Non Group Mean | Non Group Stdev |
| 18235 | 287.07 | 66.63 | 97% | 138.94 | 38.25 |
| 15282 | 203.3 | 21.11 | 94% | 148.94 | 105 |
| 13799 | 391.75 | 74.97 | 99% | 152.36 | 52.97 |
| 17955 | 257.17 | 57.57 | 93% | 154.46 | 62.37 |
| 6272 | 415.31 | 82.23 | 98% | 157.51 | 61.87 |
| 3266 | 238.25 | 22.7 | 93% | 160.5 | 50.15 |
| 15959 | 389.2 | 63.99 | 97% | 164.9 | 67.38 |
| 1884 | 191.9 | 7.86 | 93% | 166.42 | 45.16 |
| 15955 | 294.4 | 26.85 | 95% | 169.12 | 106.78 |
| 9486 | 468.68 | 91.29 | 94% | 177.99 | 126.67 |
| 21275 | 349.64 | 80.81 | 96% | 178.44 | 97.42 |
| 16053 | 311.13 | 32.05 | 96% | 206.21 | 223.6 |
| 16747 | 445.78 | 87.8 | 96% | 210.09 | 78.61 |
| 20350 | 393.34 | 72.05 | 94% | 217.18 | 69.07 |
| 6855 | 290.54 | 8.31 | 95% | 227.55 | 64.59 |
| 2326 | 437.32 | 39.57 | 98% | 229.27 | 188.62 |
| 20063 | 579.31 | 78.7 | 98% | 232.67 | 92.42 |
| 11403 | 386.09 | 85.89 | 93% | 235.8 | 240.72 |
| 14303 | 381.51 | 38.02 | 94% | 240.55 | 89.2 |
| 5696 | 167.33 | 17.35 | 93% | 246.96 | 110.75 |
| 7586 | 568.83 | 104.54 | 95% | 247.96 | 137.64 |
| 6821 | 667.02 | 106.37 | 96% | 253.55 | 163 |
| 12956 | 525.48 | 76.44 | 96% | 256.59 | 86.57 |
| 11404 | 487.51 | 32.83 | 97% | 257.84 | 173.77 |
| 4092 | 428.51 | 31.72 | 96% | 269.02 | 120.09 |
| 20 | 182.6 | 13.17 | 93% | 280.26 | 77.1 |
| 7003 | 480.07 | 48.06 | 93% | 299.91 | 136.85 |
| 22835 | 515.95 | 104.87 | 95% | 316.8 | 87.86 |
| 22235 | 511.17 | 15.69 | 98% | 321.64 | 119.46 |
| 1900 | 909.26 | 49.41 | 99% | 339.05 | 159.22 |
| 9674 | 997.96 | 198.11 | 93% | 345.29 | 332.5 |
| 2757 | 553.61 | 62.46 | 93% | 349.8 | 112.21 |
| 3233 | 469.14 | 29.71 | 94% | 350.16 | 111.19 |
| 4937 | 644.14 | 96.95 | 97% | 351.09 | 99.81 |
| 16688 | 485.77 | 14.98 | 95% | 367.52 | 115.86 |
| 8215 | 528.57 | 63.29 | 95% | 395.11 | 169.02 |
| 23515 | 527.7 | 47.35 | 94% | 399.57 | 182.28 |
| 22548 | 1110.25 | 157.18 | 97% | 429.36 | 198.23 |
| 25056 | 701.5 | 107.45 | 94% | 439.98 | 142.37 |
| 23030 | 298.12 | 25.05 | 94% | 443.27 | 320.1 |
| 1930 | 795.75 | 79.48 | 96% | 488.29 | 180.53 |
| 22379 | 987.52 | 105.4 | 98% | 497.46 | 281.53 |
| 18280 | 625.22 | 42.6 | 95% | 500.51 | 355.18 |
| 13557 | 431.55 | 35.49 | 94% | 598.3 | 181.76 |

| TABLE 3L: Early Cyproterone Acetate | | | | Document Number 1650775 | |
|-------------------------------------|------------|-------------|-----------|-------------------------|-----------------|
| GLGC ID | Group Mean | Group Stdev | LDA Score | Non Group Mean | Non Group Stdev |
| 1901 | 1382.54 | 291.7 | 97% | 621.54 | 268.35 |
| 16205 | 433.92 | 33.39 | 96% | 622.45 | 128.79 |
| 19069 | 172.52 | 18.28 | 97% | 622.95 | 345.06 |
| 22906 | 1189.14 | 110.88 | 96% | 633 | 508.28 |
| 7262 | 974.62 | 93.19 | 94% | 656.38 | 287.35 |
| 2354 | 1225.56 | 104.8 | 96% | 666.98 | 252.59 |
| 7362 | 563.59 | 37.8 | 94% | 816.77 | 299.68 |
| 15345 | 1802.55 | 235.04 | 95% | 907.53 | 318.35 |
| 3803 | 1252.52 | 61.21 | 95% | 914.67 | 209.78 |
| 22929 | 620.51 | 53.83 | 95% | 1008.19 | 813.54 |

| TABLE 3M: Late Diclofenac | | | | Document Number 1650775 | |
|---------------------------|------------|-------------|-----------|-------------------------|-----------------|
| GLGC ID | Group Mean | Group Stdev | LDA Score | Non Group Mean | Non Group Stdev |
| 22513 | 2558.9 | 1121.55 | 99% | -137.91 | 262.53 |
| 19512 | 46.17 | 16.3 | 99% | -20.41 | 27.06 |
| 8700 | 150.91 | 57.74 | 98% | -11.7 | 37.23 |
| 19715 | 70.75 | 11.06 | 98% | -11.14 | 18.14 |
| 11645 | 79.3 | 16.37 | 99% | -10.24 | 29 |
| 20200 | 64.31 | 15.52 | 98% | -7.94 | 37.09 |
| 7858 | 64.65 | 32.07 | 99% | -1.01 | 21.41 |
| 22516 | 230.66 | 81.61 | 99% | 0.06 | 50.52 |
| 18974 | 52.85 | 14.89 | 98% | 1.86 | 14 |
| 5291 | 56.16 | 15.92 | 98% | 7.46 | 12.49 |
| 9977 | 33.87 | 1.2 | 99% | 9.6 | 16.15 |
| 372 | 53.19 | 3.15 | 99% | 10.58 | 12.35 |
| 14400 | 168.71 | 36.04 | 98% | 12.55 | 47.33 |
| 955 | 44.09 | 5.41 | 98% | 13.21 | 12.09 |
| 26320 | 148.57 | 67.07 | 98% | 20.83 | 30.04 |
| 23555 | 177.11 | 52.37 | 99% | 22.61 | 21.13 |
| 10790 | -147.58 | 11.69 | 99% | 23.65 | 51 |
| 21445 | 152.54 | 38.45 | 99% | 24.94 | 41.96 |
| 16173 | 102.32 | 21.29 | 99% | 25.18 | 32.39 |
| 25052 | 653.33 | 363.97 | 98% | 29.48 | 65.56 |
| 3452 | 158.59 | 24.76 | 99% | 29.79 | 27.82 |
| 12277 | 126.55 | 32.95 | 98% | 30.14 | 31.31 |
| 16240 | -1.46 | 1.38 | 98% | 31.65 | 28.31 |
| 22512 | 280.38 | 149.23 | 99% | 44.34 | 59.45 |
| 7056 | -11.07 | 4.54 | 99% | 47.11 | 28.14 |
| 19411 | 117.91 | 13.87 | 98% | 47.27 | 27.38 |
| 6198 | 184.84 | 21.67 | 99% | 47.55 | 71.13 |
| 25246 | 17.4 | 2.21 | 98% | 50.19 | 18.57 |
| 15504 | 223.77 | 86.68 | 98% | 54.96 | 108.78 |
| 22514 | 404.55 | 221.07 | 99% | 61.23 | 63.25 |
| 13045 | -1.13 | 17.95 | 98% | 64.8 | 29.82 |
| 9826 | -2.67 | 5.61 | 99% | 66.89 | 26.12 |
| 8079 | -12.12 | 4.26 | 99% | 70.37 | 43.83 |
| 2310 | 520.93 | 356.23 | 98% | 71.67 | 85.7 |
| 25290 | 159.42 | 12.09 | 98% | 74.09 | 78.6 |
| 1430 | -67.02 | 9.22 | 98% | 76.13 | 70.5 |
| 13895 | 199.32 | 16.84 | 98% | 81.85 | 53.19 |
| 11904 | 162.22 | 8.31 | 98% | 82.4 | 38.06 |
| 11596 | 208.15 | 21.91 | 98% | 92.32 | 36.27 |
| 22515 | 1549.73 | 711.86 | 98% | 100.85 | 133.92 |
| 22321 | 175.23 | 33.28 | 98% | 101.48 | 89.03 |
| 8522 | 399.56 | 124.51 | 99% | 108.85 | 69.48 |
| 14491 | 261.16 | 27.37 | 98% | 115.78 | 52.28 |
| 21228 | 330.87 | 20.94 | 99% | 125.87 | 57.45 |

| TABLE 3M: Late Diclofenac | | | | Document Number 1650775 | |
|---------------------------|------------|-------------|-----------|-------------------------|-----------------|
| GLGC ID | Group Mean | Group Stdev | LDA Score | Non Group Mean | Non Group Stdev |
| 20529 | 887 | 406.86 | 98% | 137.26 | 107.43 |
| 3250 | 366.5 | 30.94 | 99% | 144.45 | 58.3 |
| 14504 | 691.37 | 422.61 | 99% | 151.43 | 95.9 |
| 26133 | 549.15 | 106.67 | 98% | 153.02 | 280.02 |
| 21978 | 81 | 5.94 | 98% | 160.08 | 42.54 |
| 3708 | 397.54 | 42.39 | 98% | 161.72 | 77.01 |
| 396 | 355.91 | 58.85 | 98% | 172.48 | 57.78 |
| 23889 | 72.55 | 12 | 99% | 175.14 | 49.66 |
| 12577 | 1097.35 | 411.24 | 98% | 176.09 | 109.22 |
| 18580 | 822.77 | 189.24 | 98% | 201.23 | 172.81 |
| 24237 | 928.14 | 321.39 | 98% | 219.99 | 132.72 |
| 25618 | 180.02 | 2.6 | 98% | 245.62 | 81.24 |
| 4969 | 1833.13 | 949.96 | 98% | 265.19 | 240.61 |
| 5110 | 738.94 | 147.68 | 98% | 271.77 | 107.36 |
| 25619 | 193.88 | 2.98 | 98% | 274.38 | 108.29 |
| 13353 | 101.42 | 6.77 | 99% | 275.78 | 68.9 |
| 7225 | 610.95 | 103.39 | 98% | 276.52 | 112.14 |
| 1175 | 89.72 | 12.52 | 98% | 319.98 | 143.49 |
| 4314 | 199.22 | 16.19 | 98% | 324.04 | 72.64 |
| 21281 | 119 | 14.89 | 99% | 329.77 | 91.62 |
| 699 | 744.08 | 166.35 | 98% | 385.87 | 84.98 |
| 17281 | 191.29 | 11.48 | 99% | 407.86 | 108.78 |
| 7697 | 126.05 | 9.16 | 99% | 418.46 | 147.54 |
| 24012 | 650.52 | 28.61 | 99% | 423.59 | 476.52 |
| 5339 | 1561.45 | 746.53 | 98% | 471.48 | 259.27 |
| 1561 | 1103.42 | 310.4 | 98% | 483.63 | 109.78 |
| 24228 | 1037.63 | 336.37 | 98% | 510.12 | 105.18 |
| 5616 | 1252.37 | 399.53 | 98% | 617.19 | 131.84 |
| 15189 | 2393.48 | 562.64 | 98% | 642.89 | 398.85 |
| 563 | 1286.12 | 293.65 | 98% | 647.49 | 154.22 |
| 19392 | 1380.71 | 448.01 | 98% | 669.42 | 123.39 |
| 21740 | 2258.4 | 588.09 | 98% | 701.14 | 280.06 |
| 1854 | 2250.76 | 618.07 | 99% | 730.54 | 265.59 |
| 3292 | 2871.21 | 931.15 | 99% | 892.15 | 311.65 |
| 22598 | 2831.24 | 966.7 | 98% | 1051.05 | 357.55 |
| 21661 | 2797.22 | 982.49 | 98% | 1087.36 | 376.19 |
| 21660 | 4837.56 | 1684.22 | 98% | 1692.71 | 582.02 |
| 17167 | 4555.27 | 1157.69 | 98% | 2481.92 | 715.65 |

| TABLE 3N: Early Diclofenac | | | | Document Number 1650775 | |
|----------------------------|------------|-------------|-----------|-------------------------|-----------------|
| GLGC ID | Group Mean | Group Stdev | LDA Score | Non Group Mean | Non Group Stdev |
| 10667 | 411.83 | 248.79 | 97% | 13.74 | 165.12 |
| 17695 | 47.26 | 305.83 | 96% | 15.36 | 60.09 |
| 3452 | 91.31 | 23.32 | 97% | 29.73 | 28.67 |
| 21421 | 5.58 | 8.51 | 95% | 31.49 | 16.56 |
| 6222 | -12.72 | 9.64 | 95% | 32.02 | 30.46 |
| 14996 | 180.85 | 117.09 | 98% | 32.69 | 45.29 |
| 12844 | -11.84 | 8.74 | 96% | 39.54 | 27.67 |
| 1843 | 88.96 | 20.57 | 96% | 48.67 | 17.77 |
| 9635 | -9.83 | 19.06 | 95% | 48.68 | 40.62 |
| 21707 | 169.82 | 64.58 | 95% | 59.13 | 53.37 |
| 23302 | 37.52 | 28.79 | 96% | 62.8 | 26.58 |
| 13932 | -63.25 | 79.49 | 95% | 63.9 | 55.2 |
| 18604 | 24.17 | 7.4 | 97% | 65.08 | 25.49 |
| 20354 | 220.66 | 86.86 | 98% | 66.15 | 50.9 |
| 1841 | 188.63 | 53.81 | 95% | 69.83 | 46.13 |
| 355 | 149.37 | 52.24 | 97% | 71.24 | 34.86 |
| 17683 | 40.01 | 12.49 | 96% | 77.75 | 25.92 |
| 2359 | 17.87 | 8.17 | 98% | 86.55 | 44.73 |
| 3713 | 168.44 | 419.14 | 97% | 89.98 | 96.34 |
| 11840 | 51.82 | 10.03 | 96% | 100.7 | 37.97 |
| 19211 | 88.71 | 85.04 | 96% | 108.71 | 56.23 |
| 17800 | 70.19 | 39.86 | 98% | 118.7 | 28.58 |
| 1844 | 277.5 | 69.37 | 96% | 129.25 | 44.39 |
| 356 | 249.59 | 82.38 | 98% | 129.82 | 46.84 |
| 23494 | 49.03 | 10.06 | 96% | 131.42 | 50.45 |
| 14776 | 49.01 | 22.62 | 97% | 134.61 | 47.31 |
| 23626 | 251.41 | 69.01 | 97% | 141.32 | 90.59 |
| 23491 | 85.95 | 100.32 | 96% | 155.17 | 56.53 |
| 21382 | 60.1 | 10.48 | 95% | 162.86 | 70.74 |
| 6213 | 75.91 | 24.03 | 97% | 177.43 | 53.8 |
| 15170 | 66.01 | 17.61 | 95% | 180.78 | 58.76 |
| 23182 | 47.61 | 14.34 | 95% | 182.97 | 82.24 |
| 14958 | 77.51 | 24.88 | 99% | 192.52 | 57.74 |
| 16562 | 315.91 | 84.36 | 96% | 194 | 49.14 |
| 23043 | 116.23 | 50.3 | 97% | 200.45 | 58.35 |
| 18996 | 115.11 | 26.79 | 96% | 211.48 | 69.45 |
| 14997 | 807.1 | 529.54 | 98% | 231.67 | 129.71 |
| 10879 | 84.17 | 41 | 95% | 235.09 | 83.29 |
| 11021 | 90.03 | 69.2 | 95% | 247.67 | 106.37 |
| 2655 | 43.2 | 16.5 | 97% | 258.1 | 178.54 |
| 16859 | 704.09 | 252.4 | 97% | 258.84 | 124.37 |
| 17794 | 130.88 | 63.44 | 97% | 261.13 | 86.21 |
| 6919 | 1235.49 | 468.87 | 99% | 269.17 | 229.63 |
| 13353 | 151.45 | 114.9 | 97% | 276.39 | 67.85 |

| TABLE 3N: Early Diclofenac | | | | Document Number 1650775 | |
|----------------------------|------------|-------------|-----------|-------------------------|-----------------|
| GLGC ID | Group Mean | Group Stdev | LDA Score | Non Group Mean | Non Group Stdev |
| 20 | 432.75 | 81.44 | 97% | 277.59 | 75.26 |
| 12964 | 106.32 | 33.26 | 95% | 288.44 | 95.46 |
| 3722 | 585.01 | 101.14 | 97% | 295.66 | 101.48 |
| 20715 | 308.31 | 50.21 | 96% | 313.11 | 180.79 |
| 23606 | 668.08 | 172.75 | 97% | 313.49 | 105.76 |
| 23230 | 176.98 | 99.78 | 98% | 342.52 | 164.69 |
| 12946 | 142.18 | 31.13 | 97% | 349.51 | 100.28 |
| 24200 | 1265.26 | 395.08 | 97% | 369.8 | 208.75 |
| 16768 | 264.62 | 55.65 | 95% | 376.13 | 78.38 |
| 12857 | 231.61 | 293.1 | 96% | 392.81 | 143.31 |
| 18795 | 726.51 | 149.33 | 97% | 395.27 | 107.88 |
| 19 | 654.92 | 135.45 | 97% | 397.11 | 105.29 |
| 18783 | 716.54 | 157.61 | 95% | 402.03 | 119.63 |
| 19252 | 288.39 | 79.84 | 95% | 410.59 | 104.1 |
| 1114 | 645.09 | 101.99 | 96% | 427.86 | 137.39 |
| 20698 | 914.65 | 381.61 | 97% | 479.92 | 178.44 |
| 21098 | 1119.71 | 394.89 | 99% | 521.35 | 157.69 |
| 21097 | 883.9 | 345.03 | 98% | 525.66 | 142.61 |
| 15191 | 1868.16 | 232.88 | 99% | 528.3 | 355.46 |
| 19373 | 957.63 | 171.61 | 96% | 529.59 | 254.13 |
| 9424 | 1020 | 141.63 | 96% | 537.58 | 150.22 |
| 15606 | 331.04 | 100.93 | 95% | 555.14 | 142.5 |
| 4670 | 2609.57 | 936.24 | 97% | 576.03 | 466.99 |
| 402 | 1115.89 | 448.86 | 99% | 596.85 | 131.13 |
| 13557 | 267.85 | 27.9 | 96% | 601.37 | 178.89 |
| 2368 | 429.73 | 38.72 | 96% | 606.25 | 88.63 |
| 22906 | 2134.54 | 974.52 | 97% | 617.58 | 470.92 |
| 15189 | 1986.69 | 445.74 | 98% | 635.58 | 391.8 |
| 15190 | 2159.12 | 392.22 | 99% | 661.42 | 378.72 |
| 1995 | 1259.5 | 439.49 | 98% | 684.23 | 244.32 |
| 11830 | 1983.61 | 566.45 | 98% | 692.89 | 304.27 |
| 1805 | 1229.6 | 164.21 | 97% | 703.35 | 218.45 |
| 1174 | 1340.59 | 440.4 | 96% | 726.33 | 411.01 |
| 6013 | 1139.77 | 436.67 | 96% | 749.39 | 184.56 |
| 17785 | 1846.83 | 672.05 | 97% | 752.99 | 445.33 |
| 22840 | 1352.3 | 529.97 | 95% | 755.78 | 273.45 |
| 8515 | 346.51 | 83 | 96% | 765.99 | 292.49 |
| 21574 | 391.95 | 100 | 97% | 817.75 | 226.02 |
| 6477 | 1367.6 | 542.86 | 97% | 857.33 | 304.69 |
| 3292 | 1879.44 | 784.97 | 98% | 890.76 | 323.1 |
| 12306 | 3293.83 | 1170.7 | 99% | 1005.26 | 433.69 |
| 7451 | 1583.77 | 483.79 | 96% | 1014.48 | 337.6 |
| 6295 | 2775.87 | 1040.34 | 99% | 1068.45 | 493.12 |
| 21467 | 2391.61 | 1040.88 | 96% | 1118.01 | 516.67 |

| TABLE 3N: Early Diclofenac | | | | Document Number 1650775 | |
|----------------------------|------------|-------------|-----------|-------------------------|-----------------|
| GLGC ID | Group Mean | Group Stdev | LDA Score | Non Group Mean | Non Group Stdev |
| 6633 | 2355.01 | 832.32 | 99% | 1206.88 | 312.71 |
| 14738 | 2426.79 | 883.37 | 99% | 1231.22 | 312.92 |
| 3730 | 2978.69 | 1180.6 | 98% | 1232.87 | 586.1 |
| 3617 | 2869.63 | 1011.46 | 98% | 1268.73 | 398.2 |
| 8715 | 3069.61 | 1101.03 | 99% | 1353.63 | 759.44 |
| 17672 | 2889.9 | 351.84 | 96% | 1930.21 | 397.38 |
| 26152 | 5392.56 | 2027.73 | 98% | 1991.62 | 852.89 |
| 20846 | 4030.03 | 570.84 | 96% | 2449.47 | 889.44 |
| 6018 | 11859.37 | 4320.03 | 98% | 3477.55 | 3126.6 |

| TABLE 30: Estradiol | | | | Document Number 1650775 | |
|---------------------|------------|-------------|-----------|-------------------------|-----------------|
| GLGC ID | Group Mean | Group Stdev | LDA Score | Non Group Mean | Non Group Stdev |
| 19476 | 221.25 | 108.8 | 94% | -58.59 | 73.88 |
| 20579 | 65.59 | 26.23 | 87% | -13.8 | 30.61 |
| 4520 | 74.3 | 35.09 | 90% | -1.56 | 34.15 |
| 55 | 34.69 | 14.89 | 86% | 4.7 | 13.41 |
| 384 | 44.98 | 13.2 | 86% | 5.76 | 28.49 |
| 22722 | 566.51 | 262.91 | 96% | 19.66 | 47.88 |
| 12120 | 291.19 | 164.4 | 93% | 20.32 | 48.27 |
| 16283 | 59.56 | 11.97 | 91% | 25.04 | 15.43 |
| 10611 | 78.35 | 19.48 | 91% | 26.01 | 28.58 |
| 3570 | 1203.99 | 486.89 | 96% | 27.26 | 139.67 |
| 3929 | 66.1 | 15.81 | 88% | 32.04 | 17.87 |
| 16783 | 94.16 | 35.66 | 86% | 32.29 | 33.01 |
| 6604 | 9.87 | 7.84 | 88% | 36.24 | 17.57 |
| 10540 | 70.62 | 15.26 | 85% | 39.69 | 19.11 |
| 3846 | 63.36 | 11.22 | 85% | 40.64 | 15.95 |
| 14266 | 463.56 | 161.4 | 95% | 42 | 79.9 |
| 15097 | -4.06 | 20.79 | 88% | 44.39 | 28.23 |
| 16809 | 77.26 | 7.57 | 89% | 53.84 | 28.46 |
| 672 | 185.2 | 45.2 | 92% | 57.01 | 48.59 |
| 25290 | 322.26 | 83.7 | 94% | 68.08 | 67.25 |
| 5493 | 104.13 | 22.09 | 86% | 69.51 | 45.42 |
| 17699 | 379.25 | 121.82 | 95% | 77.01 | 64.08 |
| 15057 | 178.76 | 62.35 | 89% | 80.64 | 61.88 |
| 4082 | 137.71 | 29.22 | 87% | 81.24 | 39.54 |
| 3074 | 305.3 | 91.43 | 94% | 82.44 | 74.5 |
| 12655 | 222.74 | 65.14 | 88% | 90.1 | 61.41 |
| 3073 | 404.03 | 113.1 | 94% | 97.56 | 106.47 |
| 23220 | 158.44 | 34.05 | 86% | 104.71 | 23.6 |
| 18612 | 214.55 | 48.01 | 88% | 114.72 | 54.02 |
| 24442 | 253.1 | 51.52 | 95% | 119.28 | 39.27 |
| 19258 | 345.84 | 102.07 | 91% | 119.63 | 94.13 |
| 6789 | 266.72 | 63.61 | 88% | 130.61 | 57.1 |
| 11465 | 687.63 | 230.97 | 94% | 136.61 | 114.55 |
| 23491 | 259.04 | 44.02 | 89% | 151.54 | 55.44 |
| 3075 | 515.63 | 145.3 | 94% | 159.61 | 267.05 |
| 19261 | 291.37 | 82.45 | 86% | 163.74 | 57.85 |
| 17393 | 223.13 | 34.27 | 86% | 164.98 | 67.02 |
| 23987 | 254.16 | 41.43 | 86% | 168.68 | 53.84 |
| 13229 | 314.84 | 68.95 | 90% | 184.84 | 61.96 |
| 15295 | 252.4 | 28.26 | 85% | 191.1 | 52.8 |
| 23183 | 91.05 | 26.84 | 85% | 192.16 | 88.8 |
| 6549 | 522.38 | 151.13 | 89% | 204.39 | 114.46 |
| 13092 | 440.75 | 124.27 | 92% | 206.68 | 86.61 |
| 9402 | 278.52 | 27.55 | 85% | 207.63 | 69.5 |

| TABLE 30: Estradiol | | | | Document Number 1650775 | |
|---------------------|------------|-------------|-----------|-------------------------|-----------------|
| GLGC ID | Group Mean | Group Stdev | LDA Score | Non Group Mean | Non Group Stdev |
| 23362 | 362.98 | 58.85 | 92% | 209.03 | 55.26 |
| 729 | 141.14 | 32.05 | 85% | 209.19 | 55.66 |
| 13963 | 572.36 | 193.21 | 91% | 220.12 | 112.51 |
| 17516 | 287.34 | 30.47 | 85% | 223.48 | 56.14 |
| 7927 | 368.05 | 56.64 | 86% | 226.41 | 79.19 |
| 14989 | 306.39 | 34.48 | 90% | 229.8 | 59.41 |
| 5464 | 608.63 | 139.88 | 93% | 235.86 | 136.35 |
| 14997 | 313.77 | 45.38 | 92% | 237.05 | 156.21 |
| 23337 | 388.86 | 61.57 | 87% | 239.19 | 87.95 |
| 6541 | 835.22 | 410.07 | 90% | 240.86 | 107.93 |
| 9621 | 349.89 | 41.41 | 91% | 242.89 | 62.26 |
| 18877 | 1770.96 | 536.63 | 95% | 251.02 | 323.54 |
| 19825 | 76.2 | 82.83 | 85% | 256.34 | 107.9 |
| 291 | 413.96 | 84.34 | 85% | 256.37 | 66.6 |
| 17613 | 349.67 | 47.08 | 86% | 259.18 | 106.99 |
| 19824 | 83.21 | 81.92 | 87% | 260.01 | 99.57 |
| 7684 | 577.91 | 188.77 | 85% | 279.08 | 126.11 |
| 2373 | 634.92 | 150.17 | 92% | 285.8 | 133.51 |
| 2484 | 57.67 | 44.88 | 86% | 289.53 | 213.13 |
| 16684 | 447.2 | 65.17 | 88% | 306.67 | 87.7 |
| 6975 | 700.83 | 228.78 | 86% | 312.49 | 161.5 |
| 18141 | 1086.32 | 372.55 | 88% | 330.82 | 216.89 |
| 25718 | 464.33 | 56.04 | 91% | 331.59 | 76.26 |
| 18742 | 172.88 | 37.74 | 87% | 352.25 | 190.08 |
| 12361 | 1014.46 | 256.68 | 94% | 354.09 | 232.49 |
| 16327 | 558.02 | 61.36 | 88% | 369.06 | 94.06 |
| 21164 | 169.42 | 47.37 | 86% | 370.17 | 185.53 |
| 24012 | 2053.62 | 525.68 | 94% | 382.21 | 392.09 |
| 4674 | 167.98 | 66.36 | 88% | 452.2 | 224.88 |
| 6060 | 310.86 | 53.86 | 86% | 477.05 | 121.08 |
| 1561 | 310.14 | 86.6 | 90% | 491.78 | 117.97 |
| 11227 | 841.6 | 140.02 | 86% | 496.07 | 212.99 |
| 19728 | 229.27 | 93.53 | 88% | 501.97 | 174.65 |
| 12746 | 759.81 | 83.64 | 93% | 520.3 | 104.48 |
| 12585 | 909.57 | 150.85 | 86% | 542.79 | 178.84 |
| 23437 | 271.75 | 62.16 | 86% | 558.17 | 246.21 |
| 11821 | 1051.26 | 228.29 | 86% | 574.09 | 309.97 |
| 24707 | 407.68 | 85.92 | 85% | 598.16 | 183.22 |
| 16894 | 1105.64 | 177.51 | 91% | 731.2 | 332.55 |
| 11720 | 397.65 | 148.44 | 88% | 748.93 | 265 |
| 4440 | 398.17 | 156.94 | 89% | 804.73 | 210.24 |
| 7584 | 2336.91 | 636.07 | 91% | 819.41 | 712.46 |
| 13093 | 2287.36 | 766.73 | 90% | 825.52 | 505.38 |
| 11644 | 485.11 | 142.46 | 86% | 838.95 | 238.55 |

| TABLE 30: Estradiol | | | | Document Number 1650775 | |
|---------------------|------------|-------------|-----------|-------------------------|-----------------|
| GLGC ID | Group Mean | Group Stdev | LDA Score | Non Group Mean | Non Group Stdev |
| 9475 | 422.84 | 219.9 | 86% | 958.81 | 372.8 |
| 24112 | 1879.78 | 259.59 | 90% | 1026.22 | 630.45 |
| 16703 | 714.02 | 96.32 | 86% | 1057.6 | 331.01 |
| 15534 | 1418.23 | 154.26 | 88% | 1104.88 | 261.78 |
| 14738 | 862.34 | 156.54 | 85% | 1256.55 | 349.62 |
| 14960 | 1831.5 | 294.22 | 85% | 1370.37 | 509.8 |
| 22554 | 609.46 | 270.71 | 86% | 1371.14 | 511.54 |
| 6015 | 707.01 | 273.93 | 89% | 1539.98 | 455.17 |
| 7497 | 1136.4 | 136.44 | 87% | 1691.66 | 329.88 |

| TABLE 3P: Late Indomethacin | | | | Document Number 1650775 | |
|-----------------------------|------------|-------------|-----------|-------------------------|-----------------|
| GLGC ID | Group Mean | Group Stdev | LDA Score | Non Group Mean | Non Group Stdev |
| 21075 | 56.56 | 18.08 | 99% | -101.64 | 72.06 |
| 3626 | 270.02 | 126.67 | 99% | -91.68 | 41.85 |
| 20522 | 88.79 | 62.74 | 99% | -86.26 | 44.12 |
| 18203 | 28.03 | 7.89 | 100% | -59.65 | 26.67 |
| 21682 | 139.83 | 65.11 | 99% | -56.8 | 31.49 |
| 20119 | 75.13 | 51.9 | 99% | -51.89 | 22.95 |
| 945 | 164.01 | 44.63 | 98% | -32.43 | 36.01 |
| 8017 | 40.5 | 7.12 | 99% | -4.91 | 18.36 |
| 22516 | 427.71 | 48.74 | 100% | -3.53 | 27.61 |
| 7858 | 133.46 | 131.64 | 99% | -2.18 | 10.32 |
| 11731 | 57.13 | 15.61 | 99% | -1.13 | 13.51 |
| 2011 | 88.53 | 22.86 | 99% | 5.7 | 10.46 |
| 19121 | 104.23 | 50.09 | 99% | 16.77 | 12.76 |
| 24826 | 218.27 | 46.71 | 99% | 17.2 | 179.73 |
| 23555 | 133.19 | 49.37 | 99% | 22.23 | 20.8 |
| 21445 | 313.48 | 71.78 | 99% | 22.36 | 29.24 |
| 1777 | 117.77 | 21.2 | 99% | 22.67 | 16.4 |
| 16173 | 249.12 | 60.67 | 99% | 23.05 | 21.76 |
| 21683 | 179.43 | 48.48 | 99% | 24.37 | 26.58 |
| 19503 | 106.66 | 42.52 | 99% | 24.54 | 12.74 |
| 19444 | 479 | 225.49 | 99% | 26.17 | 29.3 |
| 20651 | 252.93 | 78.27 | 99% | 26.84 | 24.52 |
| 11172 | 108.09 | 14.64 | 99% | 27.38 | 25.08 |
| 7196 | 70.2 | 6.99 | 99% | 27.5 | 18.37 |
| 8864 | 168.51 | 38.98 | 98% | 28.16 | 40.98 |
| 25052 | 413.35 | 149.76 | 98% | 28.65 | 72.19 |
| 12277 | 188.8 | 30.97 | 99% | 28.87 | 27.27 |
| 20134 | 115.79 | 25.97 | 99% | 31.07 | 21.72 |
| 15961 | 155.48 | 44.33 | 99% | 31.59 | 27.65 |
| 22897 | 135.13 | 41.74 | 99% | 33.43 | 19.08 |
| 1893 | 250.46 | 53.73 | 99% | 40.37 | 21.42 |
| 22512 | 493.75 | 186.61 | 99% | 40.54 | 35.84 |
| 14081 | 1307.16 | 578.37 | 99% | 40.73 | 109.27 |
| 25083 | 96.77 | 17.16 | 99% | 41.1 | 19.54 |
| 17500 | 182.9 | 29.18 | 100% | 43.12 | 42.04 |
| 2013 | 191.84 | 31.9 | 99% | 44.55 | 23.34 |
| 8273 | 410.92 | 194.88 | 99% | 45.89 | 30.96 |
| 19411 | 184.69 | 32.53 | 99% | 46.1 | 23.55 |
| 15504 | 896.04 | 321.22 | 99% | 46.28 | 53.42 |
| 22514 | 543.21 | 150.84 | 99% | 57.67 | 44.72 |
| 155 | 187.91 | 27.8 | 99% | 62.07 | 21.49 |
| 20523 | 337.44 | 89.8 | 98% | 66.71 | 58.22 |
| 16961 | 225.29 | 41.42 | 99% | 71.58 | 40.53 |
| 24589 | 412.43 | 149.59 | 98% | 73.14 | 30.15 |

| TABLE 3P: Late Indomethacin | | | | Document Number 1650775 | |
|-----------------------------|------------|-------------|-----------|-------------------------|-----------------|
| GLGC ID | Group Mean | Group Stdev | LDA Score | Non Group Mean | Non Group Stdev |
| 21285 | 903.94 | 338.62 | 99% | 73.28 | 108.74 |
| 15503 | 519.54 | 109.49 | 100% | 74.61 | 27.28 |
| 6200 | 1572.18 | 522.18 | 99% | 78 | 145.78 |
| 7743 | 288.96 | 85.4 | 98% | 83.77 | 52.71 |
| 2012 | 357.34 | 70.02 | 99% | 84.87 | 34.39 |
| 3749 | -48.1 | 12.54 | 99% | 87.36 | 48.17 |
| 4892 | 2121.77 | 1018.81 | 99% | 97.96 | 339.86 |
| 24651 | 168.51 | 30.23 | 98% | 98.36 | 20.05 |
| 23005 | 536.62 | 86.56 | 99% | 99.43 | 90.49 |
| 1700 | 273.11 | 39.16 | 99% | 102.11 | 30.56 |
| 22898 | 507.42 | 174.82 | 99% | 103.97 | 57.4 |
| 8522 | 552.47 | 146.35 | 99% | 105.43 | 54.02 |
| 12714 | 0.7 | 18.22 | 98% | 106.47 | 34.92 |
| 15116 | 243.85 | 52.64 | 98% | 107.4 | 25.94 |
| 17277 | 239.1 | 35.46 | 99% | 107.78 | 39.78 |
| 22042 | 21.05 | 10.38 | 98% | 109.25 | 91.56 |
| 21414 | 1412.18 | 189.99 | 99% | 116.04 | 143.33 |
| 17258 | 235.7 | 32.66 | 99% | 120.39 | 25.05 |
| 682 | 555.72 | 137.48 | 99% | 126.28 | 58.1 |
| 17369 | 441.37 | 64.2 | 99% | 130.38 | 54.83 |
| 20529 | 790.13 | 186.87 | 99% | 134.07 | 101.45 |
| 14504 | 773.65 | 116.14 | 99% | 147.38 | 84.22 |
| 154 | 347.17 | 63.6 | 99% | 154.37 | 37.49 |
| 12450 | -60.33 | 24.42 | 99% | 154.48 | 84.94 |
| 6431 | 1828.3 | 421.64 | 99% | 190.99 | 149.33 |
| 18580 | 1167.73 | 411.76 | 99% | 193.7 | 141.11 |
| 8310 | 107.35 | 13.86 | 99% | 204.96 | 44.79 |
| 14330 | 633.28 | 126.05 | 99% | 225.12 | 77.1 |
| 5687 | 48.78 | 22.59 | 99% | 227.66 | 79.73 |
| 14185 | 760.34 | 170.85 | 99% | 253.08 | 93.43 |
| 21443 | 569.4 | 110.65 | 99% | 256.7 | 61.78 |
| 16519 | 807.19 | 191.58 | 98% | 273.02 | 117.31 |
| 9079 | 820.52 | 184.52 | 98% | 316.54 | 112.19 |
| 19469 | 162.04 | 26.75 | 99% | 325.82 | 57.22 |
| 373 | 115.43 | 31.34 | 99% | 334.03 | 85.91 |
| 43 | 156.53 | 22.34 | 99% | 341.11 | 74.71 |
| 20864 | 37.65 | 12.15 | 100% | 352.3 | 179.09 |
| 699 | 762.57 | 112.9 | 99% | 383.6 | 79.72 |
| 24323 | 230.34 | 24.71 | 99% | 398.78 | 95.09 |
| 17281 | 100.34 | 30.42 | 99% | 410.15 | 105.21 |
| 16366 | 113.72 | 34.12 | 99% | 439.22 | 103.99 |
| 21014 | 188.22 | 42.97 | 99% | 572.37 | 137.02 |
| 16367 | 166.59 | 86.34 | 99% | 612.27 | 144.06 |
| 25525 | 264.07 | 72.58 | 99% | 645.12 | 117.62 |

| TABLE 3P: Late Indomethacin | | | | Document Number 1650775 | |
|-----------------------------|------------|-------------|-----------|-------------------------|-----------------|
| GLGC ID | Group Mean | Group Stdev | LDA Score | Non Group Mean | Non Group Stdev |
| 635 | 308.38 | 68.87 | 99% | 672.17 | 126.74 |
| 18890 | 126.36 | 42.96 | 99% | 679.93 | 361.87 |
| 634 | 355.69 | 72.95 | 99% | 705.77 | 125.16 |
| 6236 | 227.28 | 73.91 | 98% | 902.24 | 429.28 |
| 10984 | 135.85 | 78.66 | 99% | 1092.48 | 362.92 |
| 15029 | 181.72 | 50.19 | 99% | 1492.95 | 529.6 |
| 4933 | 357.28 | 114.44 | 99% | 1702.56 | 598.89 |

| TABLE 3Q: Early Indomethacin | | | | Document Number 1650775 | |
|------------------------------|------------|-------------|-----------|-------------------------|-----------------|
| GLGC ID | Group Mean | Group Stdev | LDA Score | Non Group Mean | Non Group Stdev |
| 21682 | 85.12 | 87.03 | 93% | -56.37 | 33.66 |
| 1510 | 75.53 | 7.54 | 96% | -13.1 | 65.66 |
| 26280 | 109.21 | 31.74 | 89% | -10.05 | 85.78 |
| 11422 | 60.74 | 22.85 | 91% | 13.75 | 11.38 |
| 1507 | 46.96 | 9.51 | 87% | 15.4 | 15.74 |
| 16251 | 34.42 | 5.87 | 90% | 20.02 | 13.62 |
| 19671 | 39.81 | 7.46 | 90% | 22.33 | 14.64 |
| 23106 | 48.6 | 11.99 | 93% | 28.28 | 33.85 |
| 2736 | 49.82 | 5.14 | 93% | 29.89 | 18.47 |
| 25077 | 111.99 | 30.35 | 88% | 30.69 | 73.6 |
| 1221 | 445.47 | 178.19 | 92% | 33.57 | 94.3 |
| 18389 | 94.31 | 16.02 | 94% | 33.62 | 32.95 |
| 3972 | -24.58 | 15.09 | 94% | 34.18 | 35.89 |
| 18237 | 63.23 | 7.16 | 91% | 36.35 | 20.91 |
| 22725 | 4.84 | 8.57 | 88% | 36.54 | 24.3 |
| 17854 | 94.21 | 22.12 | 90% | 48.6 | 21.13 |
| 25379 | 64.97 | 7.1 | 91% | 48.71 | 16.47 |
| 1843 | 85.73 | 19.01 | 94% | 48.71 | 17.88 |
| 4504 | 96.84 | 28.13 | 90% | 48.77 | 77.49 |
| 24024 | 75.74 | 15.08 | 90% | 50.05 | 33.85 |
| 16809 | 117.87 | 32.17 | 90% | 53.62 | 27.39 |
| 11423 | 102.73 | 23.05 | 89% | 54.5 | 20.13 |
| 2042 | 92.88 | 5.97 | 96% | 54.98 | 50.98 |
| 13992 | 110.02 | 45.53 | 90% | 55.81 | 24.86 |
| 22918 | 27.24 | 5.2 | 92% | 57.51 | 29.32 |
| 5059 | 222.71 | 98.2 | 92% | 61.9 | 61.99 |
| 20354 | 194.32 | 79.46 | 91% | 66.49 | 51.97 |
| 18529 | 139.38 | 36.52 | 88% | 68.68 | 53.21 |
| 8079 | -1.13 | 28.24 | 91% | 70.82 | 43.57 |
| 7176 | 83.8 | 6.04 | 89% | 71.68 | 21.23 |
| 24721 | 116.01 | 17.12 | 91% | 75.35 | 29.71 |
| 11904 | 169.62 | 30.75 | 91% | 81.73 | 37.23 |
| 3710 | -40.52 | 24.79 | 89% | 84.89 | 112.56 |
| 1271 | 127.09 | 19.36 | 88% | 87.87 | 22.54 |
| 15207 | 207.84 | 67.65 | 90% | 88.03 | 53.57 |
| 21256 | 150.53 | 29.3 | 87% | 90.66 | 43.12 |
| 1572 | 134.45 | 17.05 | 87% | 92.3 | 26.58 |
| 19410 | 154.21 | 25.11 | 89% | 95.44 | 23.68 |
| 16080 | 172.16 | 50.03 | 89% | 95.77 | 117.15 |
| 17950 | 134.99 | 16.51 | 87% | 96.23 | 39.64 |
| 22321 | 169.07 | 47.34 | 95% | 101.03 | 89.08 |
| 9223 | 166.07 | 27.83 | 88% | 106.75 | 43.32 |
| 17277 | 186.86 | 45.28 | 88% | 108.27 | 41.12 |
| 16125 | 212.34 | 60.78 | 90% | 109.55 | 34.54 |

| TABLE 3Q: Early Indomethacin | | | | Document Number 1650775 | |
|------------------------------|------------|-------------|-----------|-------------------------|-----------------|
| GLGC ID | Group Mean | Group Stdev | LDA Score | Non Group Mean | Non Group Stdev |
| 354 | 156.92 | 39.75 | 88% | 113.78 | 121.78 |
| 22151 | 49.94 | 21.66 | 90% | 114.35 | 59.07 |
| 16477 | 205.91 | 47.02 | 87% | 118.16 | 42.37 |
| 15884 | 197.78 | 19.66 | 96% | 119.51 | 58.67 |
| 25768 | 189 | 17.68 | 94% | 128.02 | 30.12 |
| 6532 | 275.04 | 58.08 | 92% | 135.65 | 42.31 |
| 2555 | 342.38 | 116.88 | 91% | 141.73 | 57.69 |
| 25370 | 95.55 | 12.34 | 87% | 141.81 | 76.1 |
| 1426 | 186.05 | 11.71 | 91% | 141.89 | 28.02 |
| 16081 | 293.29 | 79.31 | 90% | 147.43 | 146.68 |
| 154 | 240.39 | 32.25 | 90% | 155.47 | 42.04 |
| 1521 | 271.17 | 53.27 | 87% | 157.16 | 61.75 |
| 22806 | 82.54 | 19.97 | 89% | 169.69 | 77.1 |
| 1141 | 221.49 | 23.61 | 89% | 172.77 | 35.13 |
| 9595 | 369.54 | 72.63 | 90% | 176.26 | 67.68 |
| 21709 | 240.64 | 11.92 | 95% | 179.9 | 33.86 |
| 13332 | 111.82 | 16.97 | 88% | 187.21 | 61.88 |
| 21444 | 292.61 | 40.73 | 91% | 204.56 | 58.9 |
| 20350 | 333.21 | 45.66 | 91% | 216.95 | 69.67 |
| 3776 | 316.54 | 58.6 | 88% | 226.04 | 54.29 |
| 958 | 283.88 | 16 | 89% | 240.09 | 72.64 |
| 18891 | 63.95 | 40.8 | 91% | 245.89 | 190.12 |
| 15786 | 130.41 | 48.25 | 89% | 247.11 | 88.8 |
| 22619 | 509.69 | 128.09 | 87% | 254.11 | 122.09 |
| 2655 | 76.89 | 36.89 | 90% | 257.67 | 178.99 |
| 21443 | 408.93 | 75.59 | 90% | 258.32 | 68.58 |
| 17664 | 718.76 | 159.35 | 90% | 309.86 | 189.82 |
| 1795 | 179.95 | 54.13 | 87% | 340.51 | 149.15 |
| 6825 | 188.01 | 57.66 | 89% | 342.19 | 121.17 |
| 18465 | 583.12 | 68.3 | 93% | 353.78 | 236.17 |
| 19412 | 798.48 | 156.59 | 91% | 364.41 | 124.75 |
| 4026 | 854.17 | 324.83 | 92% | 368.96 | 133.71 |
| 20915 | 208.25 | 51.68 | 88% | 381.94 | 139.96 |
| 12463 | 631.37 | 114.76 | 89% | 391.56 | 105.49 |
| 7122 | 778.65 | 154.65 | 89% | 421.1 | 129.61 |
| 23245 | 695.04 | 100.61 | 88% | 453.5 | 126.98 |
| 20701 | 818.5 | 138.91 | 89% | 496.14 | 169.1 |
| 23125 | 203.3 | 56.02 | 88% | 520.99 | 516.04 |
| 21740 | 1357.78 | 289.81 | 91% | 701.6 | 296.47 |
| 16458 | 933.78 | 80.79 | 89% | 722.78 | 196.14 |
| 11720 | 1393.76 | 333.85 | 92% | 731.5 | 257.06 |
| 23449 | 166.05 | 104.49 | 89% | 922.94 | 660.67 |
| 23989 | 1702.06 | 285.92 | 87% | 1063.27 | 404.32 |
| 22368 | 637.02 | 202.48 | 88% | 1081.65 | 343.44 |

| TABLE 3Q: Early Indomethacin | | | | Document Number 1650775 | |
|------------------------------|------------|-------------|-----------|-------------------------|-----------------|
| GLGC ID | Group Mean | Group Stdev | LDA Score | Non Group Mean | Non Group Stdev |
| 24289 | 672.7 | 120.08 | 88% | 1097.27 | 342.03 |
| 16885 | 837.41 | 195.77 | 91% | 1485.4 | 407.68 |
| 9267 | 809.11 | 323.93 | 92% | 1667.39 | 543.29 |

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| TABLE 3R: Valproate | | | | Document Number 1650775 | |
|---------------------|------------|-------------|-----------|-------------------------|-----------------|
| GLGC ID | Group Mean | Group Stdev | LDA Score | Non Group Mean | Non Group Stdev |
| 26190 | 239.04 | 44.21 | 99% | -115.53 | 71.46 |
| 2154 | 26.52 | 22.45 | 98% | -34 | 15.98 |
| 12625 | 129.76 | 35.25 | 98% | -7.97 | 79.74 |
| 4231 | 160.07 | 13.84 | 100% | -6.47 | 34.51 |
| 360 | 42.77 | 15.77 | 97% | -5.58 | 16.63 |
| 24126 | 127.21 | 24.22 | 97% | 6.68 | 31.59 |
| 8993 | 64.31 | 7.77 | 99% | 8.92 | 10.71 |
| 19762 | 168.43 | 71.93 | 99% | 9.69 | 24.52 |
| 11336 | 60.09 | 15.29 | 99% | 12.42 | 10.72 |
| 20993 | 73.86 | 17.79 | 98% | 12.51 | 23.49 |
| 330 | 76.9 | 11.84 | 98% | 13.5 | 26.03 |
| 12058 | 48.89 | 5.96 | 98% | 16.85 | 15.53 |
| 1579 | 75.5 | 19.78 | 98% | 16.86 | 13.09 |
| 5993 | 49.43 | 5.91 | 97% | 17.56 | 13.02 |
| 8054 | 63.83 | 11.7 | 97% | 17.56 | 15.18 |
| 23315 | 53.08 | 6.14 | 98% | 20.16 | 11.05 |
| 23843 | 102.85 | 21.92 | 99% | 21.2 | 18.22 |
| 11315 | 170.88 | 30.14 | 98% | 22.9 | 42.27 |
| 13812 | 138.26 | 33.46 | 99% | 26.62 | 22.64 |
| 23106 | 97.66 | 12.04 | 99% | 28.05 | 33.33 |
| 11625 | 70.95 | 9.83 | 97% | 28.43 | 16.22 |
| 9374 | 155.52 | 11.78 | 99% | 30.44 | 41.52 |
| 10394 | 210.39 | 57.19 | 99% | 35.12 | 29.91 |
| 6101 | 146.33 | 49.53 | 97% | 38.17 | 25.87 |
| 2117 | 107.64 | 17.82 | 97% | 43.75 | 19.24 |
| 12614 | 113.54 | 14.75 | 98% | 45.51 | 37.01 |
| 9766 | 130.53 | 51.66 | 98% | 47.22 | 33.17 |
| 2932 | 256.87 | 86.84 | 98% | 48.26 | 30.66 |
| 13501 | 145.64 | 35.69 | 98% | 48.87 | 22.87 |
| 14913 | 145.2 | 21.59 | 98% | 51.42 | 27.75 |
| 16673 | 133.08 | 23.07 | 98% | 53.6 | 21.07 |
| 2042 | 183.57 | 50.07 | 98% | 54.55 | 49.7 |
| 2915 | 150.2 | 35.95 | 98% | 55.29 | 23.13 |
| 19669 | 192.83 | 28.28 | 99% | 60.25 | 31.79 |
| 19264 | 145.96 | 13.12 | 98% | 62.26 | 25.95 |
| 17257 | 197.58 | 17.21 | 99% | 67.22 | 34.6 |
| 15663 | 157.22 | 12.55 | 98% | 67.92 | 42.04 |
| 11527 | 186.56 | 12.56 | 97% | 68.89 | 53.83 |
| 22375 | 201.22 | 32.17 | 99% | 75.66 | 28.1 |
| 5754 | 289.15 | 110.18 | 98% | 82.52 | 54.48 |
| 12198 | 157.09 | 5.38 | 99% | 83.53 | 37.27 |
| 18885 | 179.92 | 14.06 | 99% | 85.54 | 27.13 |
| 13166 | 392.55 | 98.9 | 98% | 89.27 | 56.47 |
| 13251 | 155.07 | 11.85 | 97% | 89.73 | 88.96 |

| TABLE 3R: Valproate | | | | Document Number 1650775 | |
|---------------------|------------|-------------|-----------|-------------------------|-----------------|
| GLGC ID | Group Mean | Group Stdev | LDA Score | Non Group Mean | Non Group Stdev |
| 8728 | 346.01 | 114.17 | 98% | 90.12 | 40.25 |
| 2216 | 234.47 | 28.59 | 99% | 94.87 | 37.16 |
| 21535 | 197.23 | 12.53 | 98% | 96.15 | 38.42 |
| 21567 | 509.19 | 66.46 | 98% | 97.9 | 104.57 |
| 10593 | 328.02 | 63.73 | 99% | 101.91 | 43.97 |
| 17368 | 241.72 | 37.58 | 97% | 104.44 | 49.02 |
| 9800 | 366.46 | 11.6 | 99% | 105.66 | 68.67 |
| 17479 | 261.87 | 40.08 | 99% | 106.14 | 33.44 |
| 21976 | 256.5 | 24.3 | 98% | 106.4 | 45.51 |
| 14600 | 242.39 | 40.76 | 98% | 111.36 | 76.44 |
| 22570 | 241.74 | 26.13 | 97% | 111.56 | 44.08 |
| 23656 | 273.7 | 31.03 | 98% | 112.56 | 52.23 |
| 15179 | 255.98 | 37.97 | 98% | 112.9 | 41.1 |
| 16616 | 304.19 | 58.02 | 98% | 115.37 | 49.86 |
| 5608 | 233.3 | 11.25 | 97% | 122.33 | 53.28 |
| 20090 | 263.76 | 45.31 | 98% | 126.59 | 32.66 |
| 17644 | 333.21 | 52.99 | 98% | 128.35 | 68.07 |
| 15149 | 345.13 | 64.29 | 97% | 128.59 | 59.92 |
| 6789 | 283.91 | 53.49 | 99% | 133.02 | 59.87 |
| 6686 | 369.2 | 41.65 | 99% | 139.06 | 46.36 |
| 19230 | 391.37 | 57.35 | 98% | 149.61 | 84.83 |
| 13949 | 47.22 | 6.84 | 99% | 151.24 | 58.29 |
| 11280 | 287.5 | 36.75 | 98% | 159.37 | 38.65 |
| 19513 | 345.16 | 59.75 | 97% | 163.49 | 60.93 |
| 23762 | 321.28 | 26.82 | 97% | 164.97 | 66.22 |
| 13838 | 437.29 | 30.14 | 99% | 166.7 | 55.87 |
| 2691 | 316.24 | 12.09 | 98% | 168.14 | 70.13 |
| 9572 | 409.53 | 66.85 | 99% | 168.33 | 60.29 |
| 6861 | 397.87 | 34.78 | 100% | 168.71 | 47.4 |
| 22135 | 361.16 | 95.89 | 98% | 170.63 | 47.21 |
| 24388 | 283.3 | 44.23 | 98% | 172.33 | 155.38 |
| 18886 | 403.05 | 74.14 | 98% | 175.49 | 63.14 |
| 24368 | 602.67 | 63.22 | 99% | 183.22 | 79.82 |
| 5381 | 356.13 | 13.85 | 99% | 191.57 | 49.01 |
| 9402 | 342.47 | 21.74 | 97% | 208.49 | 68.96 |
| 17261 | 546.81 | 71.98 | 99% | 219.95 | 72.35 |
| 2101 | 430.5 | 35.07 | 99% | 224.81 | 67.09 |
| 24369 | 546.78 | 56.44 | 97% | 228.98 | 103.39 |
| 11354 | 530 | 66.53 | 99% | 229.49 | 68.24 |
| 8709 | 90.79 | 24.72 | 98% | 233.09 | 61.98 |
| 24367 | 400.74 | 12.79 | 99% | 245.59 | 55.58 |
| 19052 | 646.73 | 83.13 | 98% | 254.53 | 92.68 |
| 22957 | 665.35 | 87.82 | 98% | 274.44 | 208.86 |
| 15551 | 493.87 | 26.61 | 99% | 304.36 | 63.07 |

| TABLE 3R: Valproate | | | | Document Number 1650775 | |
|---------------------|------------|-------------|-----------|-------------------------|-----------------|
| GLGC ID | Group Mean | Group Stdev | LDA Score | Non Group Mean | Non Group Stdev |
| 12317 | 639.88 | 73.89 | 99% | 308.65 | 88.02 |
| 4179 | 845.91 | 78.29 | 98% | 333.97 | 135.14 |
| 6440 | 961.78 | 166.32 | 97% | 351.53 | 186.44 |
| 7111 | 553.56 | 43.59 | 98% | 353.19 | 75.73 |
| 18285 | 707.67 | 76.76 | 99% | 357.46 | 132.75 |
| 12928 | 791.23 | 86.89 | 98% | 410.91 | 94.08 |
| 15051 | 1110.61 | 136.73 | 97% | 476.75 | 412.42 |
| 2569 | 338.95 | 14.84 | 98% | 721.15 | 290.78 |
| 3803 | 499.92 | 74.41 | 97% | 920.04 | 208.7 |
| 18962 | 573.38 | 98.13 | 99% | 1606.33 | 624.84 |
| 5052 | 906.23 | 65.55 | 99% | 1930.67 | 442.76 |
| 22540 | 1108.89 | 178.44 | 97% | 2311.11 | 657.83 |

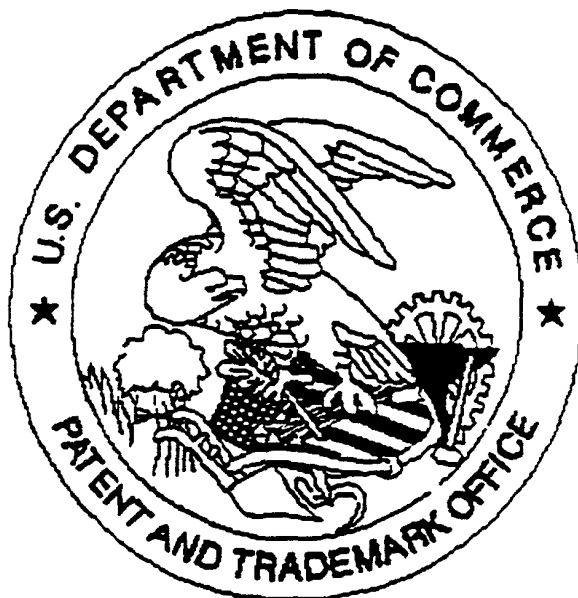
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| TABLE 3S: WY-14643 | | | | Document Number 1650775 | |
|--------------------|------------|-------------|-----------|-------------------------|-----------------|
| GLGC ID | Group Mean | Group Stdev | LDA Score | Non Group Mean | Non Group Stdev |
| 18318 | 279.93 | 40.82 | 98% | 111.57 | 48.48 |
| 5887 | 1076.32 | 275.73 | 99% | 111.64 | 138.98 |
| 3513 | 212.58 | 33.36 | 98% | 114.18 | 27.84 |
| 22416 | 1001.99 | 170.33 | 99% | 121.52 | 83.97 |
| 22224 | 487.47 | 76.85 | 99% | 124.54 | 72.09 |
| 12215 | 632.99 | 209.38 | 98% | 141.79 | 100.45 |
| 9373 | 419.3 | 49.02 | 98% | 144.86 | 76.23 |
| 15672 | 378.23 | 65.03 | 98% | 151.17 | 68.05 |
| 3260 | 508.28 | 175.97 | 98% | 153.29 | 72.65 |
| 16700 | 596.39 | 103.44 | 99% | 155.05 | 96.4 |
| 18747 | 457.04 | 82.08 | 97% | 155.98 | 76.29 |
| 26109 | 1286.05 | 121.59 | 99% | 156.58 | 201.4 |
| 22737 | 685.5 | 206.71 | 99% | 168.28 | 96.83 |
| 3720 | 315.08 | 30.72 | 98% | 179.69 | 49.62 |
| 2113 | 410.43 | 34.36 | 99% | 185.32 | 58.03 |
| 15015 | 374.26 | 31.51 | 99% | 192.11 | 63.36 |
| 6439 | 425.56 | 74.96 | 97% | 196.56 | 74.01 |
| 22370 | 945.85 | 62.98 | 100% | 216.15 | 108.38 |
| 2457 | 1132.75 | 158.6 | 99% | 227.31 | 140.2 |
| 1728 | 477.23 | 66.78 | 98% | 227.92 | 60.65 |
| 18891 | 1245.42 | 225.38 | 99% | 230.61 | 151.12 |
| 22620 | 386.56 | 21.42 | 98% | 235.22 | 68.77 |
| 19591 | 567.11 | 40.94 | 99% | 237.04 | 108.52 |
| 5602 | 1404.36 | 215.76 | 99% | 242.82 | 212.8 |
| 24860 | 67.15 | 34.2 | 97% | 279.45 | 115.83 |
| 22392 | 598.76 | 55.66 | 99% | 296.04 | 67.51 |
| 18742 | 1303.27 | 263.5 | 99% | 335.32 | 154.05 |
| 6825 | 626.39 | 47.06 | 98% | 336.52 | 118 |
| 21164 | 991.37 | 155.11 | 99% | 356.95 | 172.12 |
| 9372 | 1244.96 | 107.3 | 99% | 368.29 | 225.64 |
| 8177 | 121.78 | 23.64 | 97% | 389.45 | 423.88 |
| 17935 | 1404.15 | 220.52 | 97% | 416.54 | 273.3 |
| 10533 | 1054.36 | 147.32 | 98% | 421.36 | 212.4 |
| 16944 | 747.42 | 72.2 | 98% | 422.41 | 133.98 |
| 21354 | 2186.83 | 317.02 | 98% | 437.51 | 348.77 |
| 16323 | 223.57 | 44.79 | 99% | 465.4 | 220.36 |
| 9423 | 273.32 | 30.42 | 98% | 486.76 | 134.12 |
| 19044 | 814.58 | 45.86 | 97% | 502.31 | 184.58 |
| 18727 | 206.23 | 25.52 | 99% | 516.82 | 179.53 |
| 18125 | 1062.51 | 80.83 | 99% | 529.14 | 174.32 |
| 16704 | 1486.63 | 221.63 | 97% | 565.52 | 242.61 |
| 3099 | 922.46 | 83.44 | 97% | 599.33 | 119.33 |
| 2813 | 1250.39 | 172.69 | 98% | 603.02 | 185.25 |
| 20998 | 325.2 | 72.5 | 97% | 606.04 | 134.27 |

| TABLE 3S: WY-14643 | | | | Document Number 1650775 | |
|--------------------|------------|-------------|-----------|-------------------------|-----------------|
| GLGC ID | Group Mean | Group Stdev | LDA Score | Non Group Mean | Non Group Stdev |
| 21010 | 1699.76 | 218.74 | 98% | 606.25 | 249.41 |
| 14882 | 377.63 | 34.39 | 97% | 607.89 | 168.14 |
| 5616 | 386.99 | 47.15 | 97% | 623.82 | 140.57 |
| 16945 | 1098.96 | 98.19 | 98% | 628.67 | 192.67 |
| 7420 | 1415.94 | 79.85 | 97% | 655.69 | 311.93 |
| 18890 | 1900.82 | 258.12 | 99% | 657.78 | 337.82 |
| 3279 | 1571.19 | 374.24 | 98% | 708.13 | 199.08 |
| 16190 | 1581.05 | 206.33 | 98% | 716.2 | 226.42 |
| 20597 | 378.94 | 48.6 | 98% | 742.21 | 189.37 |
| 21341 | 1797.23 | 203.99 | 98% | 768.53 | 328.94 |
| 4940 | 623.22 | 140.4 | 98% | 1632.44 | 469.8 |

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for scanning. (Document title)

Table 1. Start pages # 53.

☐ Page(s) _____ of _____ were not present
for scanning. (Document title)

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